



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM**

TITLE V/STATE OPERATING PERMIT

Issue Date: April 29, 2015 Effective Date: October 7, 2019
Revision Date: October 7, 2019 Expiration Date: April 29, 2020
Revision Type: Amendment

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable applicable requirements unless otherwise designated as "State-Only" or "non-applicable" requirements.

TITLE V Permit No: 03-00027

Federal Tax Id - Plant Code: 83-3299524-2

Owner Information	
Name: KEYSTONE CONEMAUGH PROJ LLC	
Mailing Address: 175 CORNELL RD STE 1 BLAIRSVILLE, PA 15717-8076	
Plant Information	
Plant: KEYSTONE STATION	
Location: 03 Armstrong County	03932 Plumcreek Township
SIC Code: 4911 Trans. & Utilities - Electric Services	
Responsible Official	
Name: GREGORY J MITCHELL	
Title: GEN MGR - KEYSTONE STA	
Phone (724) 354 - 5533	
Permit Contact Person	
Name: MARK J JACKLIN	
Title: ENV SPEC III - KEYSTONE	
Phone: (724) 354 - 5475	
[Signature] _____ ERIC A. GUSTAFSON, NORTHWEST REGION AIR PROGRAM MANAGER	



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Note: These same sub-sections are repeated for each source!

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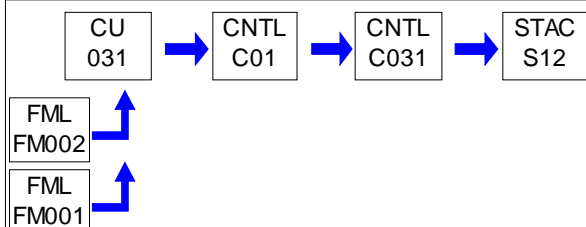
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**SECTION A. Site Inventory List**

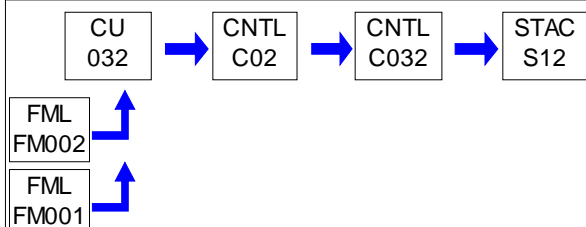
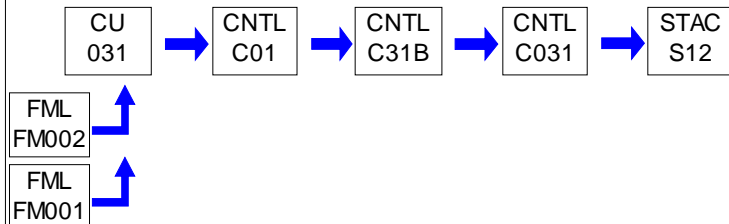
Source ID	Source Name	Capacity/Throughput		Fuel/Material
031	BOILER 1 WITH LOW NOX BURNER	8,717.000	MMBTU/HR	
		335.300	Tons/HR	COAL
		63.170	Th Gal/HR	NO. 2 FUEL OIL
032	BOILER 2 WITH LOW NOX BURNER	8,717.000	MMBTU/HR	
		335.300	Tons/HR	COAL
		63.170	Th Gal/HR	NO. 2 FUEL OIL
037	AUX BOILER A	138.000	MMBTU/HR	
		1.000	Th Gal/HR	NO. 2 FUEL OIL
038	AUX BOILER B	138.000	MMBTU/HR	
		1.000	Th Gal/HR	NO 2. FUEL OIL
101	UNIT 3 PEAKING DIESEL GENERATOR (3,600-BHP)	216.000	Gal/HR	#2 Oil
102	UNIT 4 PEAKING DIESEL GENERATOR (3,600-BHP)	216.000	Gal/HR	#2 Oil
103	UNIT 5 PEAKING DIESEL GENERATOR (3,600-BHP)	216.000	Gal/HR	#2 Oil
104	UNIT 6 PEAKING DIESEL GENERATOR (3,600-BHP)	216.000	Gal/HR	#2 Oil
105	PLANT HAUL ROADS		N/A	
106	COAL HANDLING	750.000	Tons/HR	
107	ASH DISPOSAL	500.000	Tons/HR	
108	FUGITIVE VOC/HAPS	100.000	Gal/HR	
109	NATURAL DRAFT COOLING TOWERS		N/A	
110	MISC DIESEL ENGINES (TOTAL 1,327-BHP)	76.400	Gal/HR	DIESEL
111	LIMESTONE HANDLING, PROCESSING, AND STORAGE OPERATIONS	74.850	Tons/HR	LIMESTONE
112	GYPSUM PRODUCTION, PROCESSING, AND HANDLING OPERATIONS	999.000	Tons/HR	GYPSUM
113	EMERGENCY QUENCH PUMPS/ENGINES (TOTAL 2,326-BHP)	34.600	Gal/HR	Diesel Fuel
114	EMERGENCY DIESEL GENERATOR (1,474-BHP ENG., 1,000-KW OUTPUT)	72.000	Gal/HR	Diesel Fuel
115	FIRED SPACE AND MISCELLANEOUS HEATERS	57.400	Gal/HR	Propane
116	SORBENT HANDLING AND STORAGE			
C01	BOILER 1 ESP			
C02	BOILER 2 ESP			
C03	FLUE GAS CONDITIONING			
C031	BOILER 1 FLUE GAS DESULFURIZATION SYSTEM			
C032	BOILER 2 FLUE GAS DESULFURIZATION SYSTEM			
C04	BOILER 1 LOW NOX BURNER			
C05	BOILER 2 LOW NOX BURNER			
C31A	BOILER 1 OPTIONAL SCR SYSTEM			
C31B	BOILER 1 SORBENT INJECTION SYSTEM			
C32A	BOILER 2 OPTIONAL SCR SYSTEM			
C32B	BOILER 2 SORBENT INJECTION SYSTEM			
FM001	COAL STORAGE PILES			
FM002	MAIN #2 FUEL OIL STORAGE TANKS			

**SECTION A. Site Inventory List**

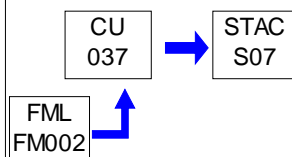
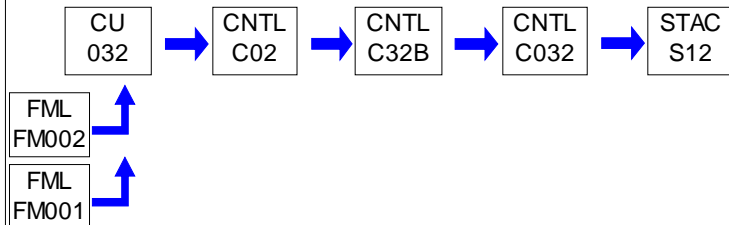
Source ID	Source Name	Capacity/Throughput	Fuel/Material
S03	DIESEL 3 STACK		
S04	DIESEL 4 STACK		
S05	DIESEL 5 STACK		
S06	DIESEL 6 STACK		
S07	AUX BOILER STACK		
S114	EMERGENCY DIESEL GENERATOR STACK		
S12	MAIN STACK FOR BOILERS 1 AND 2		

PERMIT MAPS

Alternative Operation:

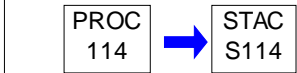
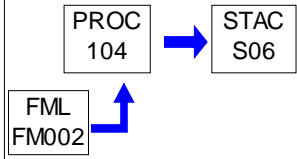
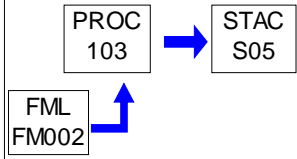
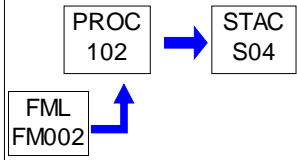
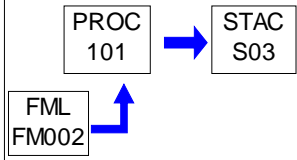
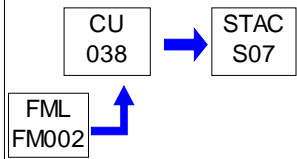


Alternative Operation:





PERMIT MAPS



**SECTION B. General Title V Requirements****#001 [25 Pa. Code § 121.1]****Definitions**

Words and terms that are not otherwise defined in this permit shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 121.7]**Prohibition of Air Pollution**

No person may permit air pollution as that term is defined in the act.

#003 [25 Pa. Code § 127.512(c)(4)]**Property Rights**

This permit does not convey property rights of any sort, or any exclusive privileges.

#004 [25 Pa. Code § 127.446(a) and (c)]**Permit Expiration**

This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit. The terms and conditions of the expired permit shall automatically continue pending issuance of a new Title V permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.

#005 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e) & 127.503]**Permit Renewal**

(a) An application for the renewal of the Title V permit shall be submitted to the Department at least six (6) months, and not more than 18 months, before the expiration date of this permit. The renewal application is timely if a complete application is submitted to the Department's Regional Air Manager within the timeframe specified in this permit condition.

(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term.

(c) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413. The application for renewal of the Title V permit shall also include submission of compliance review forms which have been used by the permittee to update information submitted in accordance with either 25 Pa. Code § 127.412(b) or § 127.412(j).

(d) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information during the permit renewal process. The permittee shall also promptly provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit.

#006 [25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]**Transfer of Ownership or Operational Control**

(a) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership or operational control of the source shall be treated as an administrative amendment if:

- (1) The Department determines that no other change in the permit is necessary;
- (2) A written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee; and,
- (3) A compliance review form has been submitted to the Department and the permit transfer has been approved by the Department.

**SECTION B. General Title V Requirements**

(b) In accordance with 25 Pa. Code § 127.464(a), this permit may not be transferred to another person except in cases of transfer-of-ownership which are documented and approved to the satisfaction of the Department.

#007 [25 Pa. Code § 127.513, 35 P.S. § 4008 and § 114 of the CAA]**Inspection and Entry**

(a) Upon presentation of credentials and other documents as may be required by law for inspection and entry purposes, the permittee shall allow the Department of Environmental Protection or authorized representatives of the Department to perform the following:

- (1) Enter at reasonable times upon the permittee's premises where a Title V source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;
- (2) Have access to and copy or remove, at reasonable times, records that are kept under the conditions of this permit;
- (3) Inspect at reasonable times, facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;
- (4) Sample or monitor, at reasonable times, substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act.

(c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

#008 [25 Pa. Code §§ 127.25, 127.444, & 127.512(c)(1)]**Compliance Requirements**

(a) The permittee shall comply with the conditions of this permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one (1) or more of the following:

- (1) Enforcement action
- (2) Permit termination, revocation and reissuance or modification
- (3) Denial of a permit renewal application

(b) A person may not cause or permit the operation of a source, which is subject to 25 Pa. Code Article III, unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued to the source are operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this Title V permit.

#009 [25 Pa. Code § 127.512(c)(2)]**Need to Halt or Reduce Activity Not a Defense**

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

#010 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]**Duty to Provide Information**

(a) The permittee shall furnish to the Department, within a reasonable time, information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or

**SECTION B. General Title V Requirements**

to determine compliance with the permit.

(b) Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to keep by this permit, or for information claimed to be confidential, the permittee may furnish such records directly to the Administrator of EPA along with a claim of confidentiality.

#011 [25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]**Reopening and Revising the Title V Permit for Cause**

(a) This Title V permit may be modified, revoked, reopened and reissued or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay a permit condition.

(b) This permit may be reopened, revised and reissued prior to expiration of the permit under one or more of the following circumstances:

(1) Additional applicable requirements under the Clean Air Act or the Air Pollution Control Act become applicable to a Title V facility with a remaining permit term of three (3) or more years prior to the expiration date of this permit. The Department will revise the permit as expeditiously as practicable but not later than 18 months after promulgation of the applicable standards or regulations. No such revision is required if the effective date of the requirement is later than the expiration date of this permit, unless the original permit or its terms and conditions has been extended.

(2) Additional requirements, including excess emissions requirements, become applicable to an affected source under the acid rain program. Upon approval by the Administrator of EPA, excess emissions offset plans for an affected source shall be incorporated into the permit.

(3) The Department or the EPA determines that this permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.

(4) The Department or the Administrator of EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

(c) Proceedings to revise this permit shall follow the same procedures which apply to initial permit issuance and shall affect only those parts of this permit for which cause to revise exists. The revision shall be made as expeditiously as practicable.

(d) Regardless of whether a revision is made in accordance with (b)(1) above, the permittee shall meet the applicable standards or regulations promulgated under the Clean Air Act within the time frame required by standards or regulations.

#012 [25 Pa. Code § 127.543]**Reopening a Title V Permit for Cause by EPA**

As required by the Clean Air Act and regulations adopted thereunder, this permit may be modified, reopened and reissued, revoked or terminated for cause by EPA in accordance with procedures specified in 25 Pa. Code § 127.543.

#013 [25 Pa. Code § 127.522(a)]**Operating Permit Application Review by the EPA**

The applicant may be required by the Department to provide a copy of the permit application, including the compliance plan, directly to the Administrator of the EPA. Copies of title V permit applications to EPA, pursuant to 25 PA Code §127.522(a), shall be submitted, if required, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#014 [25 Pa. Code § 127.541]**Significant Operating Permit Modifications**

When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with

**SECTION B. General Title V Requirements**

25 Pa. Code § 127.541. Notifications to EPA, pursuant to 25 PA Code §127.522(a), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#015 [25 Pa. Code §§ 121.1 & 127.462]**Minor Operating Permit Modifications**

The permittee may make minor operating permit modifications (as defined in 25 Pa. Code §121.1), on an expedited basis, in accordance with 25 Pa. Code §127.462 (relating to minor operating permit modifications). Notifications to EPA, pursuant to 25 PA Code §127.462(c), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#016 [25 Pa. Code § 127.450]**Administrative Operating Permit Amendments**

(a) The permittee may request administrative operating permit amendments, as defined in 25 Pa. Code §127.450(a). Copies of request for administrative permit amendment to EPA, pursuant to 25 PA Code §127.450(c)(1), if required, shall be submitted to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

(b) Upon final action by the Department granting a request for an administrative operating permit amendment covered under §127.450(a)(5), the permit shield provisions in 25 Pa. Code § 127.516 (relating to permit shield) shall apply to administrative permit amendments incorporated in this Title V Permit in accordance with §127.450(c), unless precluded by the Clean Air Act or the regulations thereunder.

#017 [25 Pa. Code § 127.512(b)]**Severability Clause**

The provisions of this permit are severable, and if any provision of this permit is determined by the Environmental Hearing Board or a court of competent jurisdiction, or US EPA to be invalid or unenforceable, such a determination will not affect the remaining provisions of this permit.

#018 [25 Pa. Code §§ 127.704, 127.705 & 127.707]**Fee Payment**

(a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees).

(b) Emission Fees. The permittee shall, on or before September 1st of each year, pay applicable annual Title V emission fees for emissions occurring in the previous calendar year as specified in 25 Pa. Code § 127.705. The permittee is not required to pay an emission fee for emissions of more than 4,000 tons of each regulated pollutant emitted from the facility.

(c) As used in this permit condition, the term "regulated pollutant" is defined as a VOC, each pollutant regulated under Sections 111 and 112 of the Clean Air Act and each pollutant for which a National Ambient Air Quality Standard has been promulgated, except that carbon monoxide is excluded.

(d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).

**SECTION B. General Title V Requirements**

(e) The permittee shall pay an annual operating permit administration fee according to the fee schedule established in 25 Pa. Code § 127.704(c) if the facility, identified in Subparagraph (iv) of the definition of the term "Title V facility" in 25 Pa. Code § 121.1, is subject to Title V after the EPA Administrator completes a rulemaking requiring regulation of those sources under Title V of the Clean Air Act.

(f) This permit condition does not apply to a Title V facility which qualifies for exemption from emission fees under 35 P.S. § 4006.3(f).

#019 [25 Pa. Code §§ 127.14(b) & 127.449]**Authorization for De Minimis Emission Increases**

(a) This permit authorizes de minimis emission increases from a new or existing source in accordance with 25 Pa. Code §§ 127.14 and 127.449 without the need for a plan approval or prior issuance of a permit modification. The permittee shall provide the Department with seven (7) days prior written notice before commencing any de minimis emissions increase that would result from either: (1) a physical change of minor significance under § 127.14(c)(1); or (2) the construction, installation, modification or reactivation of an air contamination source. The written notice shall:

- (1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.
- (2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

The Department may disapprove or condition de minimis emission increases at any time.

(b) Except as provided below in (c) and (d) of this permit condition, the permittee is authorized during the term of this permit to make de minimis emission increases (expressed in tons per year) up to the following amounts without the need for a plan approval or prior issuance of a permit modification:

- (1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.
- (2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.
- (3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.
- (4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.
- (5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

(c) In accordance with § 127.14, the permittee may install the following minor sources without the need for a plan approval:

- (1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.
- (2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.
- (3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility, liquefied petroleum gas or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code § 123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.
- (4) Space heaters which heat by direct heat transfer.

**SECTION B. General Title V Requirements**

(5) Laboratory equipment used exclusively for chemical or physical analysis.

(6) Other sources and classes of sources determined to be of minor significance by the Department.

(d) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:

(1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (b)(4) and (5) of this permit condition.

(2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.

(3) Violate any applicable requirement of the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

(4) Changes which are modifications under any provision of Title I of the Clean Air Act and emission increases which would exceed the allowable emissions level (expressed as a rate of emissions or in terms of total emissions) under the Title V permit.

(e) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) shall extend to the changes made under 25 Pa. Code § 127.449 (relating to de minimis emission increases).

(f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.

(g) Except for de minimis emission increases allowed under this permit, 25 Pa. Code § 127.449, or sources and physical changes meeting the requirements of 25 Pa. Code § 127.14, the permittee is prohibited from making physical changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.

(h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

#020 [25 Pa. Code §§ 127.11a & 127.215]**Reactivation of Sources**

(a) The permittee may reactivate a source at the facility that has been out of operation or production for at least one year, but less than or equal to five (5) years, if the source is reactivated in accordance with the requirements of 25 Pa. Code §§ 127.11a and 127.215. The reactivated source will not be considered a new source.

(b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).

#021 [25 Pa. Code §§ 121.9 & 127.216]**Circumvention**

(a) The owner of this Title V facility, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

(b) No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of this permit, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department,

**SECTION B. General Title V Requirements**

the device or technique may be used for control of malodors.

#022 [25 Pa. Code §§ 127.402(d) & 127.513(1)]**Submissions**

(a) Reports, test data, monitoring data, notifications and requests for renewal of the permit shall be submitted to the:

Regional Air Program Manager
PA Department of Environmental Protection
(At the address given on the permit transmittal letter,
or otherwise notified)

(b) Any report or notification for the EPA Administrator or EPA Region III should be addressed to:

Office of Air Enforcement and Compliance Assistance (3AP20)
United States Environmental Protection Agency
Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

(c) An application, form, report or compliance certification submitted pursuant to this permit condition shall contain certification by a responsible official as to truth, accuracy, and completeness as required under 25 Pa. Code § 127.402(d). Unless otherwise required by the Clean Air Act or regulations adopted thereunder, this certification and any other certification required pursuant to this permit shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

#023 [25 Pa. Code §§ 127.441(c) & 127.463(e); Chapter 139; & 114(a)(3), 504(b) of the CAA]**Sampling, Testing and Monitoring Procedures**

(a) The permittee shall perform the emissions monitoring and analysis procedures or test methods for applicable requirements of this Title V permit. In addition to the sampling, testing and monitoring procedures specified in this permit, the Permittee shall comply with any additional applicable requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) The sampling, testing and monitoring required under the applicable requirements of this permit, shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139 unless alternative methodology is required by the Clean Air Act (including §§ 114(a)(3) and 504(b)) and regulations adopted thereunder.

#024 [25 Pa. Code §§ 127.511 & Chapter 135]**Recordkeeping Requirements**

(a) The permittee shall maintain and make available, upon request by the Department, records of required monitoring information that include the following:

- (1) The date, place (as defined in the permit) and time of sampling or measurements.
- (2) The dates the analyses were performed.
- (3) The company or entity that performed the analyses.
- (4) The analytical techniques or methods used.
- (5) The results of the analyses.
- (6) The operating conditions as existing at the time of sampling or measurement.

(b) The permittee shall retain records of the required monitoring data and supporting information for at least five (5) years from the date of the monitoring sample, measurement, report or application. Supporting information includes the calibration data and maintenance records and original strip-chart recordings for continuous monitoring instrumentation, and copies of reports required by the permit.

**SECTION B. General Title V Requirements**

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

#025 [25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]**Reporting Requirements**

(a) The permittee shall comply with the reporting requirements for the applicable requirements specified in this Title V permit. In addition to the reporting requirements specified herein, the permittee shall comply with any additional applicable reporting requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) Pursuant to 25 Pa. Code § 127.511(c), the permittee shall submit reports of required monitoring at least every six (6) months unless otherwise specified in this permit. Instances of deviations (as defined in 25 Pa. Code § 121.1) from permit requirements shall be clearly identified in the reports. The reporting of deviations shall include the probable cause of the deviations and corrective actions or preventative measures taken, except that sources with continuous emission monitoring systems shall report according to the protocol established and approved by the Department for the source. The required reports shall be certified by a responsible official.

(c) Every report submitted to the Department under this permit condition shall comply with the submission procedures specified in Section B, Condition #022(c) of this permit.

(d) Any records, reports or information obtained by the Department or referred to in a public hearing shall be made available to the public by the Department except for such records, reports or information for which the permittee has shown cause that the documents should be considered confidential and protected from disclosure to the public under Section 4013.2 of the Air Pollution Control Act and consistent with Sections 112(d) and 114(c) of the Clean Air Act and 25 Pa. Code § 127.411(d). The permittee may not request a claim of confidentiality for any emissions data generated for the Title V facility.

#026 [25 Pa. Code § 127.513]**Compliance Certification**

(a) One year after the date of issuance of the Title V permit, and each year thereafter, unless specified elsewhere in the permit, the permittee shall submit to the Department and EPA Region III a certificate of compliance with the terms and conditions in this permit, for the previous year, including the emission limitations, standards or work practices. This certification shall include:

- (1) The identification of each term or condition of the permit that is the basis of the certification.
- (2) The compliance status.
- (3) The methods used for determining the compliance status of the source, currently and over the reporting period.
- (4) Whether compliance was continuous or intermittent.

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department and EPA in accordance with the submission requirements specified in condition #022 of this section.

#027 [25 Pa. Code § 127.3]**Operational Flexibility**

The permittee is authorized to make changes within the Title V facility in accordance with the following provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements of Section 502(b)(10) of the Clean Air Act and Section 6.1(i) of the Air Pollution Control Act:

- (1) Section 127.14 (relating to exemptions)

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- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)
- (6) Section 127.462 (relating to minor operating permit amendments)
- (7) Subchapter H (relating to general plan approvals and operating permits)

#028 [25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]**Risk Management**

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the Title V facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:

(1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:

- (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
- (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

(2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

(d) If the Title V facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:

(1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,

(2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

(e) If the Title V facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.

(f) When the Title V facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if:

- (1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

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(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Condition #26 of Section B of this Title V permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

#029 [25 Pa. Code § 127.512(e)]**Approved Economic Incentives and Emission Trading Programs**

No permit revision shall be required under approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this Title V permit.

#030 [25 Pa. Code §§ 127.516, 127.450(d), 127.449(f) & 127.462(g)]**Permit Shield**

(a) The permittee's compliance with the conditions of this permit shall be deemed in compliance with applicable requirements (as defined in 25 Pa. Code § 121.1) as of the date of permit issuance if either of the following applies:

- (1) The applicable requirements are included and are specifically identified in this permit.
 - (2) The Department specifically identifies in the permit other requirements that are not applicable to the permitted facility or source.
- (b) Nothing in 25 Pa. Code § 127.516 or the Title V permit shall alter or affect the following:
- (1) The provisions of Section 303 of the Clean Air Act, including the authority of the Administrator of the EPA provided thereunder.
 - (2) The liability of the permittee for a violation of an applicable requirement prior to the time of permit issuance.
 - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act.
 - (4) The ability of the EPA to obtain information from the permittee under Section 114 of the Clean Air Act.
- (c) Unless precluded by the Clean Air Act or regulations thereunder, final action by the Department incorporating a significant permit modification in this Title V Permit shall be covered by the permit shield at the time that the permit containing the significant modification is issued.

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §121.7]****Prohibition of air pollution.**

No person may permit air pollution as that term is defined in the act.

002 [25 Pa. Code §123.1]**Prohibition of certain fugitive emissions**

(a) No person may permit the emission into the outdoor atmosphere of fugitive air contaminant from a source other than the following:

- (1) Construction or demolition of buildings or structures.
- (2) Grading, paving and maintenance of roads and streets.
- (3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Open burning operations.
- (7) N/A
- (8) N/A

(9) Sources and classes of sources other than those identified in paragraphs (1)-(8), for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

- (i) the emissions are of minor significance with respect to causing air pollution; and
- (ii) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

(b) An application form for requesting a determination under either subsection (a)(9) or 129.15(c) is available from the Department. In reviewing these applications, the Department may require the applicant to supply information including, but not limited to, a description of proposed control measures, characteristics of emissions, quantity of emissions, and ambient air quality data and analysis showing the impact of the source on ambient air quality. The applicant shall be required to demonstrate that the requirements of subsections (a)(9) and (c) and 123.2 (relating to fugitive particulate matter) or of the requirements of 129.15(c) have been satisfied. Upon such demonstration, the Department will issue a determination, in writing, either as an operating permit condition, for those sources subject to permit requirements under the act, or as an order containing appropriate conditions and limitations.

(c) A person responsible for any source specified in subsections (a)(1) -- (7) or (9) shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

- (1) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.
- (2) Application of asphalt, oil, water or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- (3) Paving and maintenance of roadways.

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(4) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

(d) N/A.

003 [25 Pa. Code §123.2]**Fugitive particulate matter**

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in §123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

004 [25 Pa. Code §123.31]**Limitations**

A person may not permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source, in such a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

005 [25 Pa. Code §123.41]**Limitations**

A person may not permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

- (1) Equal to or greater than 20% for a period or periods aggregating more than three minutes in any 1 hour.
- (2) Equal to or greater than 60% at any time.

If the opacity limitations given by § 123.41 conflict with any other opacity limitation in this permit, the more stringent limitation applies.

006 [25 Pa. Code §129.14]**Open burning operations**

(a) In air basins. – Not Applicable

(b) Outside of air basins. No person may permit the open burning of material in an area outside of air basins in a manner that:

(1) The emissions are visible, at any time, at the point such emissions pass outside the property of the person on whose land the open burning is being conducted.

(2) Malodorous air contaminants from the open burning are detectable outside the property of the person on whose land the open burning is being conducted.

(3) The emissions interfere with the reasonable enjoyment of life or property.

(4) The emissions cause damage to vegetation or property.

(5) The emissions are or may be deleterious to human or animal health

(c) Exceptions: The requirements of subsections (a) and (b) do not apply where the open burning operations result from:

(1) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.

(2) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.

(3) A fire set for the prevention and control of disease or pests, when approved by the Department.

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(4) Not applicable.

(5) Not applicable.

(6) A fire set solely for recreational or ceremonial purposes.

(7) A fire set solely for cooking food.

(d) Clearing and grubbing wastes. The following is applicable to clearing and grubbing wastes:

(1) As used in this subsection the following terms shall have the following meanings:

Air curtain destructor -- A mechanical device which forcefully projects a curtain of air across a pit in which open burning is being conducted so that combustion efficiency is increased and smoke and other particulate matter are contained.

Clearing and grubbing wastes -- Trees, shrubs, and other native vegetation which are cleared from land during or prior to the process of construction. The term does not include demolition wastes and dirt laden roots.

(2) Not applicable.

(3) Subsection (b) notwithstanding clearing and grubbing wastes may be burned outside of an air basin, subject to the following limitations:

(i) Upon receipt of a complaint or determination by the Department that an air pollution problem exists, the Department may order that the open burning cease or comply with subsection (b).

(ii) Authorization for open burning under this paragraph does not apply to clearing and grubbing wastes transported from an air basin for disposal outside of an air basin.

(4) During an air pollution episode, open burning is limited by Chapter 137 (relating to air pollution episodes) and shall cease as specified in such chapter.

[The Keystone Station is not located in an air basin.]

Fuel Restriction(s).

007 [25 Pa. Code §123.22]

Combustion units

(a) Nonair basin areas. Combustion units in nonair basin areas must conform with the following:

(1) N/A.

(2) Commercial fuel oil.

(i) Except as specified in subparagraphs (ii) and (iii), a person may not offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil in nonair basin areas if the commercial fuel oil contains sulfur in excess of the applicable maximum allowable sulfur content set forth in the following tables:

(First Table) Grades Commercial Fuel Oil Maximum Allowable % Sulfur by Weight through June 30, 2016

No. 2 and Lighter (viscosity less than or equal to 5.820cSt) - 0.5

(Second Table) Maximum Allowable Sulfur Content Beginning July 1, 2016, Expressed as Parts per Million (ppm) by Weight

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or Percentage by Weight

Grades Commercial Fuel Oil (Consistent with ASTM D396)

No. 2 and lighter oil - 500 ppm (0.05%)

(ii) Commercial fuel oil that was stored in this Commonwealth by the ultimate consumer prior to July 1, 2016, which met the applicable maximum allowable sulfur content for commercial fuel oil through June 30, 2016, in subparagraph (i) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after July 1, 2016.

(iii) N/A.

(iv) The Department will limit a suspension or increase in the applicable maximum allowable sulfur content granted under subparagraph (iii) to the shortest duration in which adequate supplies of compliant commercial fuel oil can be made reasonably available, but in no case longer than 60 days from the date the Department grants the suspension or increase.

(3) - (4) N/A.

(b) - (h) N/A.

[The Keystone Station does not combust fuel oil heavier than No. 2.]

II. TESTING REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

If, at any time, the Department has cause to believe that air contaminant emissions from the facility covered by this operating permit are in excess of the limitations specified in, or established pursuant to, any applicable regulation, the Department shall require the permittee to conduct tests deemed necessary to demonstrate compliance. The permittee shall perform such testing in accordance with the applicable provisions of 25 Pa. Code Chapter 139 (relating to sampling and testing) and in accordance with any restrictions or limitations established by the Department at the time the permittee is notified in writing, of the testing requirement.

009 [25 Pa. Code §139.1]

Sampling facilities.

Upon the request of the Department, the person responsible for a source shall provide adequate sampling ports, safe sampling platforms and adequate utilities for the performance by the Department of tests on such source. The Department will set forth, in the request, the time period in which the facilities shall be provided as well as the specifications for such facilities.

III. MONITORING REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Section 127.511]

(a) The permittee shall conduct a daily inspection during daylight hours of sources covered by this permit that are operating at the facility to determine:

- (1) the presence of stack visible emissions.
- (2) the presence of visible fugitive emissions.
- (3) the presence of malodors beyond the boundaries of the facility.

(b) All detected visible stack emissions, visible fugitive emissions or malodors that have the potential to exceed applicable limits shall be reported to the manager of the facility.

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(c) Should visible stack emissions in excess of permit limits persist for more than 24-hours (Or 48-hours on weekends or holidays.) and the condition is not abated, a trained observer shall conduct Method 9 observations for at least 1 hour during each 6-hour daylight period until the condition is abated.

IV. RECORDKEEPING REQUIREMENTS.**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

At a minimum, all records and necessary calculations shall be retained for a minimum of at least five (5) years. These records and calculations shall be made available to the Department upon request.

012 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 127.511]

(a) The permittee shall keep records of the daily facility inspections. Records shall include the name of the person conducting the inspections, the date and time of the inspection, and the results of each inspection. If instances of unpermitted visible stack emissions, visible fugitive emissions or malodorous air emissions are observed, records shall be kept of the corrective action taken to abate same and/or to prevent future occurrences.

(b) These records shall be maintained in a logbook, or equivalent recordkeeping approach.

013 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The Owner/Operator shall maintain monthly records of operating hours and fuel consumption for each source at this facility. Records shall include coal, fuel oil, ammonia use by each SCR, and limestone consumption. These records shall be used to calculate emissions for the sources at the facility and shall be used to determine compliance with emission limitations as appropriate.

In addition, as established in RACT Operating Permit 03-000-027 and in accordance with 25 Pa Code §129.95, the permittee shall keep sufficient records to demonstrate compliance with the limitations, restrictions and requirements of the RACT Operating Permit. These records shall provide sufficient data and calculations to clearly demonstrate compliance with all averaging times and periods.

014 [25 Pa. Code §135.5]**Recordkeeping**

Source owners or operators shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with 135.21 (relating to reporting; and emission statements). These may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

V. REPORTING REQUIREMENTS.**# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The Owner/Operator shall submit an annual report for a period of ten years after the installation of the FGD and support processes that compares the actual annual emissions of PM and PM10 to the baseline emissions plus the increase in emissions attributed to demand growth to verify that the threshold for applicability of Prevention of Significant Deterioration Regulations (40 CFR §52.21) and 25 PA Code §127 Subchapter E New Source Review are not exceeded. The baseline emissions are included in a table attached to the technical review memo for FGD system installation.

[From Plan Approval, PA-03-00027B, Section E-Source Group 1 Condition 013.]

016 [25 Pa. Code §127.442]**Reporting requirements.**

(a) The owner or operator shall report each malfunction that occurs at this facility that poses an imminent and substantial danger to the public health and safety or the environment or which it should reasonably believe may result in citizen

**SECTION C. Site Level Requirements**

complaints to the Department. For purpose of this condition a malfunction is defined as any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment or source to operate in a normal or usual manner that may result in an increase in the emission of air contaminants. Examples of malfunctions that may result in citizen complaints include but are not limited to: large dust plumes, heavy smoke, a spill or release that results in a malodor that is detectable outside the property of the person on whose land the source is being operated.

(b) When the malfunction poses an imminent and substantial danger to the public health and safety or the environment, the notification shall be submitted to the Department no later than one hour after the incident. All other malfunctions that must be reported under subsection (a) shall be reported to the Department no later than the next business day.

(c) The report shall describe the:

- (i) name and location of the facility;
- (ii) nature and cause of the malfunction;
- (iii) time when the malfunction was first observed;
- (iv) expected duration of excess emissions; and
- (v) estimated rate of emissions.

(d) The owner or operator shall notify the Department immediately when corrective measures have been accomplished.

(e) Subsequent to the malfunction, the owner/operator shall submit a full written report to the Department including the items identified in (c) and corrective measures taken on the malfunction within 15 days, if requested.

(f) Malfunctions shall be reported to the Department at the following address:

PADEP
Office of Air Quality
230 Chestnut Street
Meadville, PA 16335
814-332-6945

017 [25 Pa. Code §127.442]**Reporting requirements.**

The owner/operator shall submit reports on the operation and maintenance of the source to the Regional Air Program Manager at such intervals and in such form and detail as may be required by the Department. Information required in the reports may include, but is not limited to, process weight rates, firing rates, hours of operation, and maintenance schedules.

018 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The following is required with respect to applicable required reporting:

(1) Submittal of reports of required monitoring at least every 6 months. Instances of deviations from permit requirements shall be clearly identified in the reports. Required reports shall be certified by a responsible official.

(2) Reporting of deviations from permit requirements within the time required by the terms and conditions of the permit including those attributable to malfunctions as defined in the permit, the probable cause of the deviations and corrective actions or preventive measures taken, except that sources with continuous emission monitoring systems shall report according to the protocol established and approved by the Department for the source.

019 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

Owner/operator shall submit the semi-annual monitoring reports for this facility by January 30 and July 30 of each year. The January 30 semi-annual monitoring report shall cover the period from July 1 through December 31. The July 30 semiannual monitoring report shall cover the period from January 1 through June 30. However, in accordance with Title 25 PA Code § 127.511(c), in no case shall the semi-annual monitoring report be submitted less often than every six (6) months. This may require that an interim semi-annual monitoring report (covering a period less than six (6) months) be

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submitted to bring the facility into compliance with this schedule.

020 [25 Pa. Code §127.513]**Compliance certification.**

Permittee shall submit a Compliance Certification sufficient to demonstrate compliance with terms and conditions contained in the permit. Each Compliance Certification shall include the following:

- (a) The identification of each term or condition of the permit that is the basis of the certification.
- (b) The compliance status.
- (c) The methods used for determining the compliance status of the source, currently and over the reporting period.
- (d) Whether compliance was continuous or intermittent.
- (e) Other facts the Department may require to determine the compliance status of the source.

Owner/operator shall submit a Title V Compliance Certification for this facility by January 30 of each year. The Title V Compliance Certification shall cover the previous calendar year, for the period January 1 through December 31. This Certification shall be submitted to both the Director, Air, Toxics, and Radiation of EPA, Region III and the Regional Air Quality Program Manager, PA DEP. The Title V Compliance Certification may be emailed to EPA Region III at R3_APD_Permits@epa.gov in lieu of mailing a hard copy. However, in accordance with Title 25 PA Code § 127.513(5)(i), in no case shall the Title V Compliance Certification be submitted less often than annually. This may require that an interim Title V Compliance Certification (covering a period less than one year) be submitted to bring the facility into compliance with this schedule.

021 [25 Pa. Code §135.21]**Emission statements**

The owner or operator of each stationary source emitting oxides of nitrogen and/or VOCs shall provide the Department with a statement, in a form as the Department may prescribe, for classes or categories of sources, showing the actual emissions of oxides of nitrogen and VOCs from that source for each reporting period, a description of the method used to calculate the emissions and the time period over which the calculation is based. The statement shall contain a certification by a company officer or the plant manager that the information contained in the statement is accurate.

022 [25 Pa. Code §135.3]**Reporting**

(a) The Owner/Operator shall submit by March 1 of each year a source report for the preceding calendar year. The report shall include information for all previously reported sources, new sources which were first operated during the preceding calendar year, and sources modified during the same period which were not previously reported.

(b) N/A.

(c) The source owner or operator may request an extension of time from the Department for the filing of a source report, and the Department may grant the extension for reasonable cause.

023 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]**Subpart A - General Provisions****Address.**

Sources at the facility are subject to the applicable requirements of the following regulations and shall comply with all applicable notification and reporting requirements contained in 40 CFR, Part 60,

Subpart OOO (Standards of Performance for Nonmetallic Mineral Processing Plants) and;

Subpart IIII (Standards of Performance for Stationary Compression Ignition Internal Combustion Engines)

**SECTION C. Site Level Requirements**

and contained in 40 CFR, Part 63,

Subpart ZZZZ (National Emission Standards for Hazardous Pollutants for Stationary Reciprocating Internal Combustion Engines.) and;

Subpart DDDDD (National Emission Standards for Hazardous Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters.) and;

Subpart UUUUU (National Emission Standards for Hazardous Pollutants for Coal- and Oil-fired Electric Steam Utility Steam Generating Units.).

In accordance with 40 CFR § 60.4 and 40 CFR § 63.13, copies of all requests, reports, applications, submittals and other communications shall be forwarded to both the Environmental Protection Agency and the Pennsylvania Department of Environmental Protection at the addresses shown below, unless otherwise noted:

Director, Air Protection Division
Environmental Protection Agency
Region III
Mail Code 3AP00
1650 Arch Street
Philadelphia, PA 19103-2029

PA Department of Environmental Protection
Regional Air Quality Program Manager
230 Chestnut Street
Meadville, PA 16335

This permit contains language from the Code of Federal Regulations (CFR). Should the wording of the federal citations of the conditions in this permit be changed in the CFR, the new wording shall supersede the language of this permit.

VI. WORK PRACTICE REQUIREMENTS.**# 024 [25 Pa. Code §127.444]****Compliance requirements.**

The owner/operator shall maintain and operate all the sources at this facility in accordance with good air pollution control practices.

VII. ADDITIONAL REQUIREMENTS.**# 025 [25 Pa. Code §123.42]****Exceptions**

The limitations for opacity (relating to limitations) shall not apply to a visible emission in any of the following instances:

- (1) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (2) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (3) When the emission results from sources specified in § 123.1 (a)(1)-(9) (relating to prohibition of certain fugitive emissions).
- (4) N/A.

026 [25 Pa. Code §123.43]**Measuring techniques**

Visible emissions may be measured using either of the following:

- (1) A device approved by the Department and maintained to provide accurate opacity measurements.
- (2) Observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

**SECTION C. Site Level Requirements****# 027 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Mass emissions may be determined using engineering calculations based on fuel and raw material purchase records, manufacturers specifications, AP-42 emission factors, source test results, operating records, material balance methods, and/or other applicable methods with written Departmental approval.

028 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The plant manager is officially recognized as a delegated responsible official.

029 [25 Pa. Code §129.96]**Applicability**

(a) The NO_x requirements of this section and §§ 129.97—129.100 apply Statewide to the owner and operator of a major NO_x emitting facility and the VOC requirements of this section and §§ 129.97—129.100 apply Statewide to the owner and operator of a major VOC emitting facility that were in existence on or before July 20, 2012, for which a requirement or emission limitation, or both, has not been established in §§ 129.51—129.52c, 129.54—129.69, 129.71—129.73, 129.75, 129.77, 129.101—129.107 and 129.301—129.310.

(b) N/A

(c) This section and §§ 129.97—129.100 do not apply to the owner and operator of a NO_x air contamination source located at a major NO_x emitting facility that has the potential to emit less than 1 TPY of NO_x or a VOC air contamination source located at a major VOC emitting facility that has the potential to emit less than 1 TPY of VOC.

(d) N/A

[The Keystone Generating Station is both a major NO_x and VOC emitting facility and sources at the facility (Source IDs 031, 032, 037, 038, 101 - 104, 110, 113 - 115) have applicable requirements under RACT II (25 Pa. Code §§ 129.96 - 129.100).]

VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this permit including Section B (relating to Title V General Requirements).

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

***** Permit Shield In Effect *****



SECTION D. Source Level Requirements

Source ID: 031

Source Name: BOILER 1 WITH LOW NOX BURNER

Source Capacity/Throughput: 8,717.000 MMBTU/HR

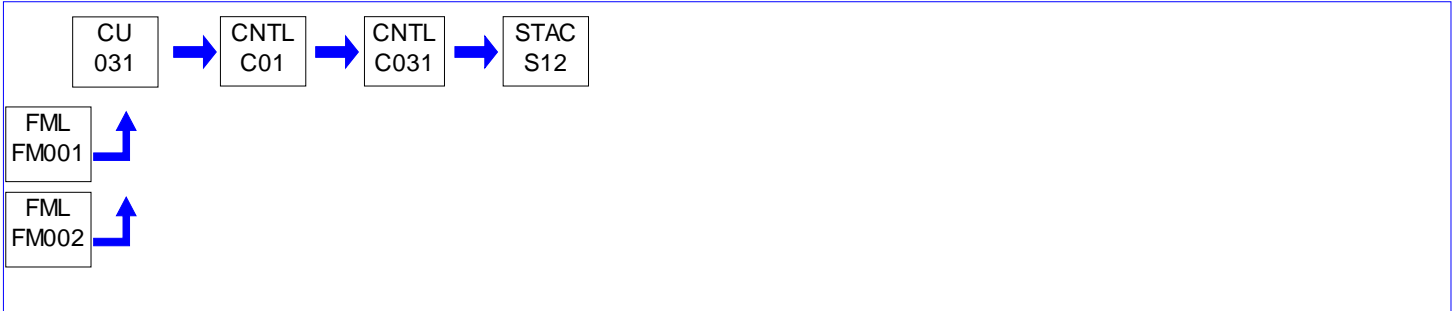
335.300 Tons/HR

COAL

63.170 Th Gal/HR

NO. 2 FUEL OIL

Conditions for this source occur in the following groups: G01
G02
G06



This source occurs in alternate operation OPTIONAL SORBENT INJECTION SYSTEM 1

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

001 [25 Pa. Code §129.97]

Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.

The permittee shall install, maintain, and operate the source in accordance with the manufacturer's specifications and with good operating practices.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 002 [25 Pa. Code §145.42.]****NOx allowance allocations.**

(a) This source is subject to the requirements of 25 Pa. Code Chapter 145.

(b) As determined in advance and stated on an annual basis in the Pennsylvania Bulletin, Boiler 1 (Source ID 031) is allocated the following Annual and Ozone Season (May 1 through September 30) NOx allowances for the 2014 through 2018 control periods.

Year	Annual NOx Allocation (tons)	Ozone Season Allocation (tons)
2014	5,053	2,177
2015	3,100	1,475
2016	3,847	1,587
2017	3,117	1,468
2018	3,204	1,489

(c) In accordance with § 145.41(c), the Department will publish the NOx allowance allocations in the Pennsylvania Bulletin for control periods beyond the year 2018.

(d) The allowances in subsection (b) of this condition are subject to change. Any changes will be published by either US EPA or the Department in the appropriate publication sites. Upon publication, the new allowances replace the amounts in subsection (b) by rule.

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 032

Source Name: BOILER 2 WITH LOW NOX BURNER

Source Capacity/Throughput: 8,717.000 MMBTU/HR

335.300 Tons/HR

COAL

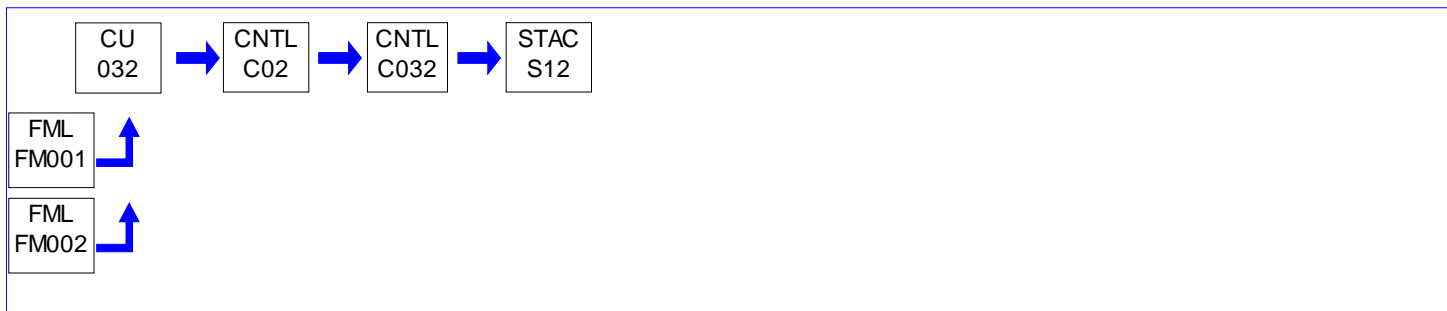
63.170 Th Gal/HR

NO. 2 FUEL OIL

Conditions for this source occur in the following groups: G01

G02

G06



This source occurs in alternate operation OPTIONAL SORBENT INJECTION SYSTEM 2

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.**# 001 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

The permittee shall install, maintain, and operate the source in accordance with the manufacturer's specifications and with good operating practices.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 002 [25 Pa. Code §145.42.]****NOx allowance allocations.**

(a) This source is subject to the requirements of 25 Pa. Code Chapter 145.

(b) As determined in advance and stated on an annual basis in the Pennsylvania Bulletin, Boiler 2 (Source ID 032) is allocated the following Annual and Ozone Season (May 1 through September 30) NOx allowances for the 2014 through 2018 control periods.

Year	Annual NOx Allocation (tons)	Ozone Season Allocation (tons)
2014	5,178	2,210
2015	3,470	1,682
2016	3,773	1,511
2017	3,627	1,554
2018	2,747	1,304

(c) In accordance with § 145.41(c), the Department will publish the NOx allowance allocations in the Pennsylvania Bulletin for control periods beyond the year 2018.

(d) The allowances in subsection (b) of this condition are subject to change. Any changes will be published by either US EPA or the Department in the appropriate publication sites. Upon publication, the new allowances replace the amounts in subsection (b) by rule.

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 037

Source Name: AUX BOILER A

Source Capacity/Throughput: 138.000 MMBTU/HR
1.000 Th Gal/HR NO. 2 FUEL OIL

Conditions for this source occur in the following groups: G04
G06

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 038

Source Name: AUX BOILER B

Source Capacity/Throughput: 138.000 MMBTU/HR
1.000 Th Gal/HR NO 2. FUEL OIL

Conditions for this source occur in the following groups: G04
G06

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: UNIT 3 PEAKING DIESEL GENERATOR (3,600-BHP)

Source Capacity/Throughput: 216.000 Gal/HR #2 Oil

Conditions for this source occur in the following groups: G05

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 102

Source Name: UNIT 4 PEAKING DIESEL GENERATOR (3,600-BHP)

Source Capacity/Throughput: 216.000 Gal/HR #2 Oil

Conditions for this source occur in the following groups: G05

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 103

Source Name: UNIT 5 PEAKING DIESEL GENERATOR (3,600-BHP)

Source Capacity/Throughput: 216.000 Gal/HR #2 Oil

Conditions for this source occur in the following groups: G05

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

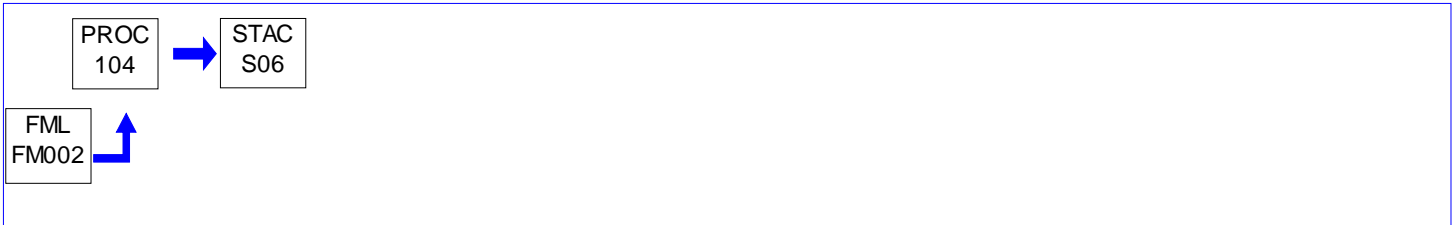
**SECTION D. Source Level Requirements**

Source ID: 104

Source Name: UNIT 6 PEAKING DIESEL GENERATOR (3,600-BHP)

Source Capacity/Throughput: 216.000 Gal/HR #2 Oil

Conditions for this source occur in the following groups: G05

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 105

Source Name: PLANT HAUL ROADS

Source Capacity/Throughput:

N/A

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

In-plant roadways shall be paved and maintained so as to prevent fugitive emissions.

[From Plan Approval PA-03-00027E, Section D, Source ID 105, Condition #001. This condition is only applicable to haul roads whose construction was authorized by PA-03-00027E.]

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

In-plant paved roadways shall be incorporated into the Facility's roadway watering and sweeping plan to prevent fugitive emissions. Roadway watering shall include the application of winterized surfactant as necessary during colder months.

[From Plan Approval PA-03-00027E, Section D, Source ID 105, Condition #002. This condition is only applicable to haul roads whose construction was authorized by PA-03-00027E.]

VII. ADDITIONAL REQUIREMENTS.**# 003 [25 Pa. Code §127.13]****Extensions.**

(a) N/A.

(b) If construction, modification or installation is not commenced within 18-months of the issuance of the plan approval or if there is more than an 18-month lapse in construction, modification or installation, a new plan approval application that meets the requirements of the Rules and Regulations of the Department shall be submitted.

**SECTION D. Source Level Requirements**

[Should the authorization PA-03-00027E be revoked as a result of this requirement, operation of the equipment under the Plan Approval is also not authorized.]

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 106

Source Name: COAL HANDLING

Source Capacity/Throughput: 750.000 Tons/HR

I. RESTRICTIONS.**Throughput Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Coal throughputs for the truck coal receiving facility shall not exceed the following in any consecutive 12-month period:

- a. 1,000,000 tons delivered to the truck coal receiving facility.
- b. 170,000 tons delivered to the storage piles.
- c. 872,000 tons transferred from the surge pile.

[From Plan Approval PA-03-00027E, Section D, Source ID 106, Condition #001. This condition is only applicable to equipment whose construction was authorized by PA-03-00027E.]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The Owner/Operator shall maintain records of the following rolling 12-month totals (in tons):

- a. Coal delivered to the coal truck receiving facility.
- b. Coal delivered to the storage piles.
- c. Coal transferred from the surge pile to the coal truck receiving facility.

[From Plan Approval PA-03-00027E, Section D, Source ID 106, Condition #002. This condition is only applicable to equipment whose construction was authorized by PA-03-00027E.]

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

**SECTION D. Source Level Requirements**

Coal shall be stockpiled in such a manner that it may be adequately wetted by the on-site pressurized water truck, or by surfactant application, to control fugitive emissions as necessary.

[From Plan Approval PA-03-00027E, Section D, Source ID 106, Condition #005. This condition is only applicable to equipment whose construction was authorized by PA-03-00027E.]

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

All loaded coal trucks entering the Facility shall be properly covered by a tarp so as to prevent fugitive emissions from crossing the property line. Notice of truck tarping requirements shall be clearly posted on site.

[From Plan Approval PA-03-00027E, Section D, Source ID 106, Condition #004. This condition is only applicable to equipment whose construction was authorized by PA-03-00027E.]

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Coal shall be stockpiled in such a manner that it is screened by wind barriers to control fugitive emissions.

[From Plan Approval PA-03-00027E, Section D, Source ID 106, Condition #006. This condition is only applicable to equipment whose construction was authorized by PA-03-00027E.]

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

All conveying equipment and front-end loaders used to stockpile and transfer coal shall maintain a minimal amount of drop height at all times so as to prevent fugitive emissions.

[From Plan Approval PA-03-00027E, Section D, Source ID 106, Condition #007. This condition is only applicable to equipment whose construction was authorized by PA-03-00027E.]

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

All conveyors and transfer points shall be covered or partially enclosed.

[From Plan Approval PA-03-00027E, Section D, Source ID 106, Condition #008. This condition is only applicable to equipment whose construction was authorized by PA-03-00027E.]

VII. ADDITIONAL REQUIREMENTS.

008 [25 Pa. Code §127.13]

Extensions.

(a) N/A.

(b) If construction, modification or installation is not commenced within 18-months of the issuance of the plan approval or if there is more than an 18-month lapse in construction, modification or installation, a new plan approval application that meets the requirements of the Rules and Regulations of the Department shall be submitted.

[Should the authorization PA-03-00027E be revoked as a result of this requirement, operation of the equipment under the Plan Approval is also not authorized.]

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 107

Source Name: ASH DISPOSAL

Source Capacity/Throughput: 500.000 Tons/HR

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 108

Source Name: FUGITIVE VOC/HAPS

Source Capacity/Throughput: 100.000 Gal/HR

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 109

Source Name: NATURAL DRAFT COOLING TOWERS

Source Capacity/Throughput:

N/A

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 110

Source Name: MISC DIESEL ENGINES (TOTAL 1,327-BHP)

Source Capacity/Throughput: 76.400 Gal/HR DIESEL

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

In accordance with 25 Pa. Code §123.13(c)(1)(i), the permittee may not permit the emission into the outdoor atmosphere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Operation Hours Restriction(s).**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

In accordance with RACT Operating Permit No. 03-000-027, emergency diesels and fire pumps shall each be operated less than 500 hours in each consecutive 12-month period.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

In accordance with RACT Operating Permit No. 03-000-027, the permittee shall maintain an operating log, including records of hours of operation, fuel consumption, fuel type, and typical fuel analyses, for diesel generators, emergency generators, fire pump diesels, and all other sources subject to any operating permit restrictions in order to verify compliance with the Department's presumptive RACT limitations.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

You must install a non-resettable hour meter on each engine comprising this source (Source ID 110) if one is not already installed.

**SECTION D. Source Level Requirements****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall verify compliance with the particulate mass emission rate of 25 PA Code §123.13, opacity standards of §123.41, and SO₂ limitations of §123.21 through the operation and maintenance of these sources in accordance with manufacturer specifications.

007 [25 Pa. Code §129.97]**Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

The permittee shall install, maintain, and operate the source in accordance with the manufacturer's specifications and with good operating practices.

VII. ADDITIONAL REQUIREMENTS.**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6602]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What emission limitations must I meet if I own or operate an existing stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions?**

If you own or operate an existing stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions, you must comply with the emission limitations and other requirements in Table 2c to this subpart which apply to you. Compliance with the numerical emission limitations established in this subpart is based on the results of testing the average of three 1-hour runs using the testing requirements and procedures in §63.6620 and Table 4 to this subpart.

[The engines comprising Miscellaneous Diesel Units (Source ID 110) are subject to requirements in Table 2c. This table states: For each: 1. Emergency stationary CI RICE and black start stationary CI RICE You must meet the following requirement, except during periods of startup:

- a. Change oil and filter every 500 hours of operation or annually, whichever comes first.
- b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;
- c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

During periods of startup you must minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.]

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my general requirements for complying with this subpart?**

(a) You must be in compliance with the emission limitations, operating limitations, and other requirements in this subpart that apply to you at all times.

(b) At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

**SECTION D. Source Level Requirements****# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

(a) You must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you according to methods specified in Table 6 to this subpart.

(b) You must report each instance in which you did not meet each emission limitation or operating limitation in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you. These instances are deviations from the emission and operating limitations in this subpart. These deviations must be reported according to the requirements in §63.6650. If you change your catalyst, you must reestablish the values of the operating parameters measured during the initial performance test. When you reestablish the values of your operating parameters, you must also conduct a performance test to demonstrate that you are meeting the required emission limitation applicable to your stationary RICE.

(c) - (d) N/A.

(e) You must also report each instance in which you did not meet the requirements in Table 8 to this subpart that apply to you. If you own or operate a new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions (except new or reconstructed 4SLB engines greater than or equal to 250 and less than or equal to 500 brake HP), a new or reconstructed stationary RICE located at an area source of HAP emissions, or any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in Table 8 to this subpart: An existing 2SLB stationary RICE, an existing 4SLB stationary RICE, an existing emergency stationary RICE, an existing limited use stationary RICE, or an existing stationary RICE which fires landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis. If you own or operate any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in Table 8 to this subpart, except for the initial notification requirements: a new or reconstructed stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, a new or reconstructed emergency stationary RICE, or a new or reconstructed limited use stationary RICE.

(f) If you own or operate an emergency stationary RICE, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1) through (4) of this section. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (4) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (4) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(1) There is no time limit on the use of emergency stationary RICE in emergency situations.

(2) You may operate your emergency stationary RICE for any combination of the purposes specified in paragraphs (f)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraphs (f)(3) and (4) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

(i) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

(ii) - (iii) N/A.

**SECTION D. Source Level Requirements**

(3) Emergency stationary RICE located at major sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of this section. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(4) N/A.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6665]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What parts of the General Provisions apply to me?

Table 8 to this subpart shows which parts of the General Provisions in §§63.1 through 63.15 apply to you. If you own or operate a new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions (except new or reconstructed 4SLB engines greater than or equal to 250 and less than or equal to 500 brake HP), a new or reconstructed stationary RICE located at an area source of HAP emissions, or any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with any of the requirements of the General Provisions specified in Table 8: An existing 2SLB stationary RICE, an existing 4SLB stationary RICE, an existing stationary RICE that combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, an existing emergency stationary RICE, or an existing limited use stationary RICE. If you own or operate any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in the General Provisions specified in Table 8 except for the initial notification requirements: A new stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, a new emergency stationary RICE, or a new limited use stationary RICE.

[Table 8 to Subpart ZZZZ of Part 63-Application of General Provisions to Subpart ZZZZ states:

General provisions citation A. Subject of citation B. Applies to subpart C. Explanation

§63.1	A. General applicability of the General Provisions	B. Yes.	
§63.2	A. Definitions	B. Yes.	C. Additional terms defined in §63.6675.
§63.3	A. Units and abbreviations	B. Yes.	
§63.4	A. Prohibited activities and circumvention	B. Yes.	
§63.5	A. Construction and reconstruction	B. Yes.	
§63.6(a)	A. Applicability	B. Yes.	
§63.6(b)(1)-(4)	A. Compliance dates for new and reconstructed sources	B. Yes.	
§63.6(b)(5)	A. Notification	B. Yes.	
§63.6(b)(6)	A. [Reserved]		
§63.6(b)(7)	A. Compliance dates for new and reconstructed area sources that become major sources	B. Yes.	
§63.6(c)(1)-(2)	A. Compliance dates for existing sources	B. Yes.	
§63.6(c)(3)-(4)	A. [Reserved]		
§63.6(c)(5)	A. Compliance dates for existing area sources that become major sources	B. Yes.	
§63.6(d)	A. [Reserved]		
§63.6(e)	A. Operation and maintenance	B. No.	
§63.6(f)(1)	A. Applicability of standard	B. No.	
§63.6(f)(2)	A. Methods for determining compliance	B. Yes.	
§63.6(f)(3)	A. Finding of compliance	B. Yes.	
§63.6(g)(1)-(3)	A. Use of alternate standard	B. Yes.	
§63.6(h)	A. Opacity and visible emission standards	B. No.	C. Subpart ZZZZ does not contain opacity or visible emission standards.
§63.6(i)	A. Compliance extension procedures and criteria	B. Yes.	
§63.6(j)	A. Presidential compliance exemption	B. Yes.	
§63.7(a)(1)-(2)	A. Performance test dates	B. Yes.	C. Subpart ZZZZ contains performance test dates at §§63.6610,

**SECTION D. Source Level Requirements**

63.6611, and 63.6612.	
§63.7(a)(3)	A. CAA section 114 authority B. Yes.
§63.7(b)(1)	A. Notification of performance test B. Yes. C. Except that §63.7(b)(1) only applies as specified in §63.6645.
§63.7(b)(2)	A. Notification of rescheduling B. Yes. C. Except that §63.7(b)(2) only applies as specified in §63.6645.
§63.7(c)	A. Quality assurance/test plan B. Yes. C. Except that §63.7(c) only applies as specified in §63.6645.
§63.7(d)	A. Testing facilities B. Yes.
§63.7(e)(1)	A. Conditions for conducting performance tests B. No. C. Subpart ZZZZ specifies conditions for conducting performance tests at §63.6620.
§63.7(e)(2)	A. Conduct of performance tests and reduction of data B. Yes. C. Subpart ZZZZ specifies test methods at §63.6620.
§63.7(e)(3)	A. Test run duration B. Yes.
§63.7(e)(4)	A. Administrator may require other testing under section 114 of the CAA B. Yes.
§63.7(f)	A. Alternative test method provisions B. Yes.
§63.7(g)	A. Performance test data analysis, recordkeeping, and reporting B. Yes.
§63.7(h)	A. Waiver of tests B. Yes.
§63.8(a)(1)	Applicability of monitoring requirements B. Yes. C. Subpart ZZZZ contains specific requirements for monitoring at §63.6625.
§63.8(a)(2)	A. Performance specifications B. Yes.
§63.8(a)(3)	A. [Reserved]
§63.8(a)(4)	A. Monitoring for control devices B. No.
§63.8(b)(1)	A. Monitoring B. Yes.
§63.8(b)(2)-(3)	A. Multiple effluents and multiple monitoring systems B. Yes.
§63.8(c)(1)	A. Monitoring system operation and maintenance B. Yes.
§63.8(c)(1)(i)	A. Routine and predictable SSM B. No.
§63.8(c)(1)(ii)	A. SSM not in Startup Shutdown Malfunction Plan B. Yes.
§63.8(c)(1)(iii)	A. Compliance with operation and maintenance requirements B. No.
§63.8(c)(2)-(3)	A. Monitoring system installation B. Yes.
§63.8(c)(4)	A. Continuous monitoring system (CMS) requirements B. Yes. C. Except that subpart ZZZZ does not require Continuous Opacity Monitoring System (COMS).
§63.8(c)(5)	A. COMS minimum procedures B. No. C. Subpart ZZZZ does not require COMS.
§63.8(c)(6)-(8)	A. CMS requirements B. Yes. C. Except that subpart ZZZZ does not require COMS.
§63.8(d)	A. CMS quality control B. Yes.
§63.8(e)	A. CMS performance evaluation B. Yes, except that §63.8(e) only applies as specified in §63.6645. C. Except for §63.8(e)(5)(ii), which applies to COMS.
§63.8(f)(1)-(5)	A. Alternative monitoring method B. Yes. C. Except that §63.8(f)(4) only applies as specified in §63.6645.
§63.8(f)(6)	A. Alternative to relative accuracy test B. Yes. C. Except that §63.8(f)(6) only applies as specified in §63.6645.
§63.8(g)	A. Data reduction B. Yes. C. Except that provisions for COMS are not applicable. Averaging periods for demonstrating compliance are specified at §§63.6635 and 63.6640.
§63.9(a)	A. Applicability and State delegation of notification requirements B. Yes.
§63.9(b)(1)-(5)	A. Initial notifications B. Yes, except that §63.9(b) only applies as specified in §63.6645 C. Except that §63.9(b)(3) is reserved.
§63.9(c)	A. Request for compliance extension B. Yes. C. Except that §63.9(c) only applies as specified in §63.6645.
§63.9(d)	A. Notification of special compliance requirements for new sources B. Yes. C. Except that §63.9(d) only applies as specified in §63.6645.
§63.9(e)	A. Notification of performance test B. Yes. C. Except that §63.9(e) only applies as specified in §63.6645.
§63.9(f)	A. Notification of visible emission (VE)/opacity test B. No. C. Subpart ZZZZ does not contain opacity or VE standards.
§63.9(g)(1)	A. Notification of performance evaluation B. Yes. C. Except that §63.9(g) only applies as specified in §63.6645.

**SECTION D. Source Level Requirements**

§63.9(g)(2) standards.	A. Notification of use of COMS data B. No. C. Subpart ZZZZ does not contain opacity or VE
§63.9(g)(3) applies as specified in §63.6645.	A. Notification that criterion for alternative to RATA is exceeded B. Yes, Except that §63.9(g) only C. If alternative is in use.
§63.9(h)(1)-(6)	A. Notification of compliance status B. Yes. C. Except that notifications for sources using a CEMS are due 30 days after completion of performance evaluations. §63.9(h)(4) is reserved and except that §63.9(h) only applies as specified in §63.6645.
§63.9(i)	A. Adjustment of submittal deadlines B. Yes.
§63.9(j)	A. Change in previous information B. Yes.
§63.10(a)	A. Administrative provisions for recordkeeping/reporting B. Yes.
§63.10(b)(1) retained on site.	A. Record retention B. Yes. C. Except that the most recent 2 years of data do not have to be
§63.10(b)(2)(i)-(v)	A. Records related to SSM B. No.
§63.10(b)(2)(vi)-(xi)	A. Records B. Yes.
§63.10(b)(2)(xii)	A. Record when under waiver B. Yes.
§63.10(b)(2)(xiii)	A. Records when using alternative to RATA B. Yes. C. For CO standard if using RATA alternative.
§63.10(b)(2)(xiv)	A. Records of supporting documentation B. Yes.
§63.10(b)(3)	A. Records of applicability determination B. Yes.
§63.10(c)	A. Additional records for sources using CEMS B. Yes. C. Except that §63.10(c)(2)-(4) and (9) are reserved.
§63.10(d)(1)	A. General reporting requirements B. Yes.
§63.10(d)(2)	A. Report of performance test results Yes.
§63.10(d)(3) standards.	A. Reporting opacity or VE observations B. No. C. Subpart ZZZZ does not contain opacity or VE
§63.10(d)(4)	A. Progress reports B. Yes.
§63.10(d)(5)	A. Startup, shutdown, and malfunction reports B. No.
§63.10(e)(1) and (2)(i)	A. Additional CMS Reports B. Yes.
§63.10(e)(2)(ii)	A. COMS-related report B. No. C. Subpart ZZZZ does not require COMS.
§63.10(e)(3) is reserved.	A. Excess emission and parameter exceedances reports B. Yes. C. Except that §63.10(e)(3)(i) (C)
§63.10(e)(4)	A. Reporting COMS data B. No. C. Subpart ZZZZ does not require COMS.
§63.10(f)	A. Waiver for recordkeeping/reporting B. Yes.
§63.11	A. Flares B. No.
§63.12	A. State authority and delegations B. Yes.
§63.13	A. Addresses B. Yes.
§63.14	A. Incorporation by reference B. Yes.
§63.15	A. Availability of information B. Yes.]

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 111 Source Name: LIMESTONE HANDLING, PROCESSING, AND STORAGE OPERATIONS
 Source Capacity/Throughput: 74.850 Tons/HR LIMESTONE

Conditions for this source occur in the following groups: G03

I. RESTRICTIONS.**Emission Restriction(s).**

**# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.672]
 Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants
 Standard for particulate matter.**

Point source (stack) emissions of particulate matter from non-metallic mineral processing plants are subject to the following limitations:

The rate of emissions from point emission sources (such as bin vent filters) shall not exceed 0.022 gr/DSCF. (40 CFR § 60.672 (a)(1))

The opacity of emissions from point emission sources shall not exceed 7%. (40 CFR § 60.672 (a)(2))

[From Plan Approval, PA-03-00027B, Section D-Source ID 111 Condition 003.]

**# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.672]
 Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants
 Standard for particulate matter.**

Fugitive source (non-stack) emissions of particulate matter from non-metallic mineral processing plants are subject to the following limitations:

The opacity of emissions from grinding mills, screens (except truck dumping), storage bins and enclosed truck or railcar operations shall not exceed 10%. (40 CFR § 60.672(b) and (d))

The opacity of emissions from crushers shall not exceed 10%. (40 CFR § 60.672 (b))

Opacity for this condition shall be measured using EPA Reference Method 9, found at 40 CFR 60, Appendix A. (40 CFR § 60.670)

[From Plan Approval, PA-03-00027B, Section D-Source ID 111 Condition 003.]

Throughput Restriction(s).

**# 003 [25 Pa. Code §127.441]
 Operating permit terms and conditions.**

The annual limestone throughputs shall be limited to 1,024,320 tons per year.

[From Plan Approval, PA-03-00027B, Section D-Source ID 111 Condition 001.]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

**# 004 [25 Pa. Code §127.441]
 Operating permit terms and conditions.**

(a) The permittee shall install, operate, and maintain instrumentation to continuously monitor the differential pressure across the collector.

**SECTION D. Source Level Requirements**

(b) To ensure that fugitive emissions are not occurring during reclaiming limestone into the silo, or when limestone is being transferred into the limestone silo, the permittee shall, at least weekly when the source is in operation, observe the silo bin vent for the presence of visible fugitive emissions.

[From Plan Approval, PA-03-00027B, Section D-Source ID 111 Condition 004.]

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) In order to quantify emissions of PM and PM10 from the operations associated with Limestone Handling, Processing, and Storage Operations, the permittee shall maintain accurate and comprehensive records of the following information:

- (1) The total amount of limestone delivered by railcar each month.
- (2) The total amount of limestone delivered by truck each month.

(b) All records shall be maintained at the facility for a minimum of five (5) years and shall be made available to the Department upon request.

[From Plan Approval, PA-03-00027B, Section D-Source ID 111 Condition 005.]

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) A sufficient quantity of spare fabric collector bags shall be kept on hand at all times in order to replace any bags that are worn or damaged due to deterioration resulting from routine operation of the source.

[From Plan Approval, PA-03-00027B, Section D-Source ID 111 Condition 006.]

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

a) All railcars delivering limestone shall be unloaded inside of an enclosure and shall be unloaded through the bottom of the railcars into a track level hopper.

b) Limestone shall be reclaimed from the active limestone storage pile only by use of the underground reclaim system associated with the respective storage pile.

[From Plan Approval, PA-03-00027B, Section D-Source ID 111 Condition 007.]

VII. ADDITIONAL REQUIREMENTS.

008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.670]

Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants**Applicability and designation of affected facility.**

The Limestone Handling, Processing, and Storage Operations (Source ID 111) are subject to the applicable requirements of 40 CFR Part 60, Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants.

*** **Permit Shield in Effect.** ***

**SECTION D. Source Level Requirements**

Source ID: 112 Source Name: GYPSUM PRODUCTION, PROCESSING, AND HANDLING OPERATIONS
 Source Capacity/Throughput: 999.000 Tons/HR GYPSUM

Conditions for this source occur in the following groups: G03

I. RESTRICTIONS.**Throughput Restriction(s).**

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The annual rate of Gypsum processed shall not exceed 1,401,600 tons per year @ 10% moisture.

[From Plan Approval, PA-03-00027B, Section D-Source ID 112 Condition 001.]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) In order to quantify the emissions of PM and PM-10 from the operations associated with Gypsum Material Handling, the permittee shall maintain accurate and comprehensive records of the amount of gypsum sludge handled or processed on a monthly basis.

(b) The records shall be maintained at the facility for a period of five (5) years and be made available to the Department upon request.

[From Plan Approval, PA-03-00027B, Section D-Source ID 112 Condition 002.]

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 113

Source Name: EMERGENCY QUENCH PUMPS/ENGINES (TOTAL 2,326-BHP)

Source Capacity/Throughput:

34.600 Gal/HR

Diesel Fuel

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §123.21]****General**

The permittee shall not allow emissions of sulfur oxides from each engine in such a manner that the concentration of sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million by volume, dry basis.

[From Plan Approval, PA-03-00027B, Section D-Source ID 113 Condition 001.]

(Compliance with this condition is assured by meeting Condition 005 for Source ID 113.)

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Visible emissions from each diesel engine shall not exceed the following limitations:

Equal to or greater than 10% for a period or periods aggregating more than three (3) minutes in any one (1) hour; and equal to or greater than 30% at any time.

[From Plan Approval, PA-03-00027B, Section D-Source ID 113 Condition 003.]

003 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) Emissions from each diesel-fired engine, associated with the installation of the FGD system, shall not exceed the following limits

- (1) 6.9 gms of NO_x/bhp-hr
- (2) 2.6 gms of CO/bhp-hr
- (3) 1.0 gms of THC/bhp-hr
- (4) 0.4 gm of PM/bhp-hr

[From Plan Approval, PA-03-00027B, Section D-Source ID 113 Condition 005.]

Fuel Restriction(s).**# 004 [25 Pa. Code §123.22]****Combustion units**

In order to assure compliance with paragraph (a) above, the permittee shall limit the sulfur content of the diesel fuel used in the engines to 0.2% (by weight) or less.

[From Plan Approval, PA-03-00027B, Section D-Source ID 113 Condition 002.]

Operation Hours Restriction(s).**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Operation of each Emergency Quench Pump/Engine shall be limited to less than 500 hours in any 12-month rolling period.

[From Plan Approval, PA-03-00027B, Section D-Source ID 113 Condition 004.]

**SECTION D. Source Level Requirements****II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall record the number of hours each engine operates on a monthly basis.
- (b) The permittee shall keep records of the amount, type, and analysis of fuel used in each engine on a monthly basis.

[From Plan Approval, PA-03-00027B, Section D-Source ID 113 Condition 006.]

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

007 [25 Pa. Code §129.97]

Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.

The permittee shall install, maintain, and operate the source in accordance with the manufacturer's specifications and with good operating practices.

VII. ADDITIONAL REQUIREMENTS.

008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]

Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?**

- (a) N/A.
- (b) Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must purchase diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel.

(The following requirement is from 40 CFR 80.510)

- (a) N/A.
- (b) Beginning June 1, 2010. Except as otherwise specifically provided in this subpart, all NR (nonroad) and LM diesel fuel is subject to the following per-gallon standards:
 - (1) Sulfur content.
 - (i) 15 ppm maximum for NR diesel fuel.

**SECTION D. Source Level Requirements**

(ii) N/A.

(2) Cetane index or aromatic content, as follows:

(i) A minimum Cetane index of 40; or

(ii) A maximum aromatic content of 35 volume percent.

(c) through (k) N/A.

009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

(a) If you are an owner or operator and must comply with the emission standards specified in this subpart, you must do all of the following, except as permitted under paragraph (g) of this section:

(1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;

(2) Change only those emission-related settings that are permitted by the manufacturer; and

(3) Meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to you.

(b) N/A.

(c) If you are an owner or operator of a 2007 model year and later stationary CI internal combustion engine and must comply with the emission standards specified in §60.4204(b) or §60.4205(b), or if you are an owner or operator of a CI fire pump engine that is manufactured during or after the model year that applies to your fire pump engine power rating in table 3 to this subpart and must comply with the emission standards specified in §60.4205(c), you must comply by purchasing an engine certified to the emission standards in §60.4204(b), or §60.4205(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in paragraph (g) of this section.

(d) – (e) N/A.

(f) If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (f)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (3) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (3) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(1) There is no time limit on the use of emergency stationary ICE in emergency situations.

(2) You may operate your emergency stationary ICE for any combination of the purposes specified in paragraphs (f)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (f)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

**SECTION D. Source Level Requirements**

(ii) Emergency stationary ICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see §60.17), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

(iii) Emergency stationary ICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.

(3) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of this section. Except as provided in paragraph (f)(3)(i) of this section, the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(i) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

(A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator;

(B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

(D) The power is provided only to the facility itself or to support the local transmission and distribution system.

(E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

(ii) [Reserved]

(g) N/A.

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

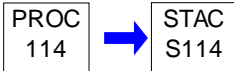
Source ID: 114

Source Name: EMERGENCY DIESEL GENERATOR (1,474-BHP ENG., 1,000-KW OUTPUT)

Source Capacity/Throughput:

72.000 Gal/HR

Diesel Fuel

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Visible emissions from the emergency diesel generator, approved to be installed under this plan approval, shall not exceed the following limitations (additional authority for this condition is derived from 40 CFR §89.113):

- 1) Equal to or greater than 10% for a period or periods aggregating more than three (3) minutes in any one (1) hour;
- 2) Greater than 20% during the acceleration mode;
- 3) Greater than 15% during the lugging mode; and
- 4) Equal to or greater than 30% at any time.

[From Plan Approval, PA-03-00027B, Section D-Source ID 114 Condition 001.]

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

This emergency diesel generator shall be certified to meet the following Tier 2 Emission Standards (Additional authority for this condition is derived from 40 CFR §89.112.):

- 1) 4.77 g/bhp-hr of NMHC + NO_x
- 2) 2.61 g/bhp-hr of CO
- 3) 0.15 g/bhp-hr of PM

[From Plan Approval, PA-03-00027B, Section D-Source ID 114 Condition 002.]

Operation Hours Restriction(s).**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Operation of this emergency diesel generator shall not exceed 500 hours in any consecutive 12-month period.

[From Plan Approval, PA-03-00027B, Section D-Source ID 114 Condition 005.]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall:

**SECTION D. Source Level Requirements**

- (a) Record hours of operation on a non-resettable hour meter.
- (b) Record hours of emergency operation, non-emergency operation, demand response, and testing and maintenance.
- (c) Record dates and times of engine inspections.
- (d) Maintain records on-site for a period of at least five (5) years.

IV. RECORDKEEPING REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The Owner/Operator shall maintain the following records for this emergency diesel generator:

- 1) Monthly and rolling 12-month totals of hours of operation; and
- 2) Monthly records of fuel usage including the amount, type, and a fuel analysis displaying sulfur content and either cetane index or aromatic content.

[From Plan Approval, PA-03-00027B, Section D-Source ID 114 Condition 006.]

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 006 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

The permittee shall install, maintain, and operate the source in accordance with the manufacturer's specifications and with good operating practices.

VII. ADDITIONAL REQUIREMENTS.**# 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4200]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****Am I subject to this subpart?**

The emergency diesel generator is subject to the requirements of 40 CFR Part 60 Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.

008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4206]**Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion engine?**

Owners and operators of stationary CI ICE must operate and maintain stationary CI ICE that achieve the emission standards as required in §§60.4204 and 60.4205 over the entire life of the engine.

009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]**Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?**

- (a) N/A.
- (b) Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must purchase diesel fuel that meets the requirements of 40 CFR

**SECTION D. Source Level Requirements**

80.510(b) for nonroad diesel fuel.

(The following requirement is from 40 CFR 80.510)

(a) N/A.

(b) Beginning June 1, 2010. Except as otherwise specifically provided in this subpart, all NR (nonroad) and LM diesel fuel is subject to the following per-gallon standards:

(1) Sulfur content.

(i) 15 ppm maximum for NR diesel fuel.

(ii) N/A.

(2) Cetane index or aromatic content, as follows:

(i) A minimum Cetane index of 40; or

(ii) A maximum aromatic content of 35 volume percent.

(c) through (k) N/A.

010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]

Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?

(a) If you are an owner or operator and must comply with the emission standards specified in this subpart, you must do all of the following, except as permitted under paragraph (g) of this section:

(1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;

(2) Change only those emission-related settings that are permitted by the manufacturer; and

(3) Meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to you.

(b) N/A.

(c) If you are an owner or operator of a 2007 model year and later stationary CI internal combustion engine and must comply with the emission standards specified in §60.4204(b) or §60.4205(b), or if you are an owner or operator of a CI fire pump engine that is manufactured during or after the model year that applies to your fire pump engine power rating in table 3 to this subpart and must comply with the emission standards specified in §60.4205(c), you must comply by purchasing an engine certified to the emission standards in §60.4204(b), or §60.4205(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in paragraph (g) of this section.

(d) - (e) N/A.

f) If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (f)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (3) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (3) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

**SECTION D. Source Level Requirements**

(1) There is no time limit on the use of emergency stationary ICE in emergency situations.

(2) You may operate your emergency stationary ICE for any combination of the purposes specified in paragraphs (f)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (f)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

(ii) Emergency stationary ICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see §60.17), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

(iii) Emergency stationary ICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.

(3) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of this section. Except as provided in paragraph (f)(3)(i) of this section, the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(i) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

(A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator;

(B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

(D) The power is provided only to the facility itself or to support the local transmission and distribution system.

(E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

(ii) [Reserved]

g) N/A.

011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4214]

Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?

Table 8 to [40 CFR Part 60 Subpart III] shows which parts of the General Provisions in §§60.1 through 60.19 apply to you.

**SECTION D. Source Level Requirements**

**# 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4219]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What definitions apply to this subpart?**

All terms used in 40 CFR Part 60 Subpart IIII shall have the meaning given in 40 CFR §60.4219 or else in the Clean Air Act and 40 CFR Part 60 Subpart A.

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 115

Source Name: FIRED SPACE AND MISCELLANEOUS HEATERS

Source Capacity/Throughput: 57.400 Gal/HR Propane

I. RESTRICTIONS.**Throughput Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

In accordance with RACT Operating Permit No. 03-000-027, the maximum heat input of each space heater shall be limited to 20 mmBtu/hr.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 002 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

The permittee shall install, maintain, and operate each space heater in accordance with the manufacturer's specifications and with good operating practices.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 116

Source Name: SORBENT HANDLING AND STORAGE

Source Capacity/Throughput:

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Visible emissions from each sorbent storage silo shall not equal or exceed 10% opacity at any time.

[From Plan Approval PA-03-00027B, Section D, Source ID 116, Condition #001.]

Throughput Restriction(s).**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Deliveries to the facility of sorbent shall not exceed 35,040 tons in any consecutive 12-month period.

[From Plan Approval PA-03-00027B, Section D, Source ID 116, Condition #002.]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The Owner/Operator shall monitor and record the sorbent injection rate into the flue gas stream for both Unit 1 and 2 at a minimum of once during each hour of operation.

[From Plan Approval PA-03-00027B, Section D, Source ID 116, Condition #005.]

IV. RECORDKEEPING REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The Owner/Operator shall maintain the following comprehensive and accurate records:

- 1) A rolling 12-month total (in tons) of the amount sorbent delivered to the facility.
- 2) The manufacturer's recommended maintenance schedule for and any maintenance activities performed on the sorbent injection systems and bin vent filters.

[From Plan Approval PA-03-00027B, Section D, Source ID 116, Condition #006.]

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 005 [25 Pa. Code §127.25]****Compliance requirement.**

Sorbent storage silos shall not be loaded and sorbent shall not be injected into the flue gas stream unless the enclosed pneumatic transfer equipment and bin vent filters are operating properly.

[From Plan Approval PA-03-00027B, Section D, Source ID 116, Condition #008.]

006 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Bin vent filters shall be designed to achieve an outlet particulate matter concentration not to exceed 0.005 gr/dscf.

[From Plan Approval PA-03-00027B, Section D, Source ID 116, Condition #003.]

VII. ADDITIONAL REQUIREMENTS.**# 007 [25 Pa. Code §127.13]****Extensions.**

(a) N/A.

(b) If construction, modification or installation is not commenced within 18-months of the issuance of the plan approval or if there is more than an 18-month lapse in construction, modification or installation, a new plan approval application that meets the requirements of the Rules and Regulations of the Department shall be submitted.

[Should the authorization PA-03-00027B be revoked as a result of this requirement, operation of the equipment under the Plan Approval is also not authorized.]

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: G01

Group Description: Main Boilers #1 and #2

Sources included in this group

ID	Name
031	BOILER 1 WITH LOW NOX BURNER
032	BOILER 2 WITH LOW NOX BURNER

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §123.11]****Combustion units**

The particulate matter emission rate from either Main Boiler #1 or Main Boiler #2 shall not exceed 0.1 lb/MMBtu of heat input.

[Compliance with this condition is assured by the requirement for this Source Group to limit the emission of filterable particulate from each boiler to either 0.03 lb/MMBtu or 0.3 lb/MWh.]

002 [25 Pa. Code §123.22]**Combustion units**

(a)(1) No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from a combustion unit in excess of the rate of 4 lbs/MMBtu over any 1-hour period except as provided in paragraph (4).

(Paragraph (4) states SO₂ emission limits when firing solid fossil fuel. Main Boilers #1 and #2 start and may operate on No. 2 Fuel Oil alone.)

[The Keystone Station is not located in an air basin. Compliance with this condition is ensured by compliance with Conditions 006 and 008.]

003 [25 Pa. Code §123.22]**Combustion units**

The following applies to solid fossil fueled combustion units with a rated capacity greater than or equal to 250 MMBtu/hr:

(a)(4)(iii) No person subject to this paragraph may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from a combustion unit in excess of the rates set forth in the following table:

3.7 lbs of SO₂/MMBtu of heat input not to be exceeded on a 30-day rolling average basis, updated daily. (Compliance with this condition is assured by meeting Condition 006.)

4.0 lbs of SO₂/MMBtu of heat input not to be exceeded on a more than 2-calendar days on 30-day rolling average basis, updated daily.

4.8 lbs of SO₂/MMBtu of heat input not to be exceeded on any calendar day.

(These emission limits apply to Main Boiler #1 and Main Boiler #2 individually, when combusting coal.)

[The Keystone Station is not located in an air basin. Compliance with this condition is ensured by compliance with Conditions 006 and 008.]

004 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

In accordance with RACT Operating Permit No. 03-000-027, emissions of NO_x (nitrogen oxides, expressed as NO₂) from either of Main Boilers #1 or #2 shall not exceed 0.45 pounds per million BTU, based on a thirty (30) day rolling average.

**SECTION E. Source Group Restrictions.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

As established in Plan Approval PA-03-00027A, the emission of ammonia caused by reagent injection in the SCR systems shall not exceed 5 ppmv at stack conditions as determined by USEPA Conditional Test Method (CTM-027), Procedure for Collection and Analysis of Ammonia in Stationary Sources or other procedure approved by the Department. The 5 ppmv ammonia slip limit ensures compliance with the existing ammonia emission limitation. The ammonia injection rate limitation contained in Operating Permit OP-03-306-002 is superseded by this condition.

006 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The SO₂ emission rate from either Main Boiler #1 or Main Boiler #2 shall not exceed the following limit:

- (a) 1.2 lbs of SO₂/MMBtu of heat input on a 30-day rolling average basis, updated daily.

[From Plan Approval, PA-03-00027B, Section E-Source Group 1 Condition 003.]

007 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The emission rate of PM₁₀ (consisting of both the filterable and condensable fractions of PM₁₀) from either Main Boiler #1 or Main Boiler #2 shall not exceed 0.1 lb/MMBtu of heat input.

[From Plan Approval, PA-03-00027B, Section E-Source Group 1 Condition 005.]

II. TESTING REQUIREMENTS.**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

1. The permittee shall conduct source testing for particulate (Filterable only.) and PM-10 (Both filterable and condensable.) from the stacks of Boiler #1 and Boiler #2, within four (4) calendar quarters of the issuance of this Operating Permit and subsequent source tests shall be conducted no less often than once every two (2) years. Stack testing conducted within the two (2) year period prior to the issuance of this TVOP may be used to meet the requirements of this condition. However, should either boiler qualify as a Low Emitting EGU (LEE) for filterable particulate under 40 CFR 63.10005(h), subsequent testing for particulate, PM₁₀, and PM_{2.5} shall take place within every three (3) year period, for as long as the unit continues to qualify as a LEE for filterable particulate under 40 CFR Part 63, Subpart UUUUU. Should the unit cease to qualify as a LEE for filterable particulate under this subpart, a two (2) year testing cycle shall be reestablished.

2. Source testing shall be conducted on the stacks of Boiler #1 and Boiler #2 for H₂SO₄ no less often than once every five years. Testing for H₂SO₄ shall be conducted by EPA Method 8 or Department approved equivalent.

3. All testing shall be performed while Source IDs 031 and 032 are operating at no less than 90% of the maximum rated heat input, or under such other conditions, within the capacity of the equipment, as may be requested by the Department. Soot blowing and ash removal in the boiler must be conducted at normal intervals and testing may not be scheduled to avoid such periods as they are considered to be normal operations.

4. All testing shall be conducted in accordance with any applicable federal regulations and the most current version of the Source Testing Manual of the Department. The following federal reference methods, or other test methods approved by the Department prior to testing, shall be used.

a. 40 CFR 60, Appendix A, Methods 1-4 shall be used to determine the volumetric flow rate.

b. 40 CFR 60, Appendix A, Methods 5 and 202 shall be used to determine filterable particulate matter (FPM), filterable PM₁₀ (Corrections may be necessary to account for interference by liquid water.), and condensable PM emission concentrations (grains/dscf) and emission rates (lbs/hour and lbs/MMBTU).

c. 40 CFR 60, Appendix A, Method 19 shall be used to determine the emission rates in lbs/MMBTU.

**SECTION E. Source Group Restrictions.**

5. At least sixty (90) calendar days prior to commencing an emission testing program required by this condition, a test protocol shall be submitted to the Department for review and approval. The test protocol shall meet all applicable requirements specified in the most current version of the Source Testing Manual of the Department.

6. At least fifteen (15) calendar days prior to commencing an emission testing program required by this permit, written notification of the date and time of testing shall be provided to the appropriate Regional Office and to the Department of Environmental Protection, Bureau of Air Quality, Division of Source Testing and Monitoring. The notification and the testing shall not be made without prior receipt of a protocol acceptance letter from the Department. The Department is under no obligation to accept the results of any testing performed without adequate advance written notice to the Department of such testing.

7. The following process parameters shall be recorded at a minimum of 15-minute intervals during each test run (if possible). This data (including the units) and a summary thereof, averaged over each test run, must be included in the test report. Any exceptions to this recordkeeping requirement shall receive prior approval from the Department.

- a. Heat input rate of coal [MMBTU/hour]
- b. Coal feed rate to the boiler [tons/hour]
- c. Steam flow [lbs/hour]
- d. Steam temperature [°F]
- e. Steam pressure [psig]
- f. Soot blowing and/or ash removal (Yes/No)
- g. Oxygen level at the economizer [%]
- h. Flue gas pressure drop across the absorber [inches H₂O]
- i. Flue gas pressure drop across the mist eliminator [inches H₂O]
- j. Current draw of draft fans [amps]
- k. Output of powered electrical generator [mw]

8. Opacity observation of the Main Boiler Stack by EPA Method 9 shall be performed during each particulate test sampling run required by this condition. The results of these observations shall be used for verification of compliance by the required periodic EPA Method 9 stack observations.

9. Within fifteen (15) calendar days after completion of the on-site testing portion of an emission test program, an electronic mail notification shall be sent to the Department's Division of Source Testing and Monitoring and the appropriate Regional Office indicating the completion date of the on-site testing.

10. A complete test report shall be submitted to the Department no later than sixty (60) calendar days after completion of the on-site testing portion of an emission test program.

11. A complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or non-compliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

- a. A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings;
- b. Permit number(s) and condition(s) which are the basis for the evaluation;
- c. Summary of results with respect to each applicable permit condition; and
- d. Statement of compliance or non-compliance with each applicable requirement.

12. All submittals shall meet all applicable requirements specified in Revision 3.3, or successor volume, of the Source Testing Manual of the Department.

13. The Department requires one paper copy plus one electronic copy of all source test submissions (notifications, protocols, reports, supplemental information, etc.) to be sent to both the AQ Program Manager for the pertinent regional office and the PSIMS Administrator in Central Office (mail and email addresses are provided below). Do not send submissions to anyone else, except the U.S. EPA, unless specifically directed to do so. To minimize the potential for rescheduling of the test, all protocols must be received at least 90 days prior to testing. Test reports must be received no later than 60 days after the completion of testing, unless a more stringent regulatory requirement applies. Any questions or

**SECTION E. Source Group Restrictions.**

concerns about source testing submissions can be sent to RA-EPstacktesting@pa.gov and the PSIMS Administrator will address them.

Paper Copies shall be submitted to the following:

Central Office
 Pennsylvania Department of Environmental Protection
 Attn: PSIMS Administrator
 P.O. Box 8468
 Harrisburg, PA 17105-8468

Northwest Region
 Pennsylvania Department of Environmental Protection
 Attn: Air Quality Program Manager
 230 Chestnut Street
 Meadville, PA 16335

Electronic copies shall be emailed to the following:

Central Office
 RA-EPstacktesting@pa.gov

Northwest Region
 RA-EPNWstacktesting@pa.gov

14. The owner or operator shall ensure all federal reporting requirements contained in the applicable federal requirements are followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between state and the federal, the most stringent provision, term, condition, method, or rule shall be used by default.

15. Alternative methodology may also be used, subject to Department approval.

III. MONITORING REQUIREMENTS.**# 009 [25 Pa. Code §123.25]****Monitoring requirements**

(a) (This section is applicable to Main Boilers #1 and #2 at the Keystone Station.):

(b) A source subject to this section shall install, operate and maintain continuous SO₂ monitoring systems in compliance with Chapter 139 Subchapter C (relating to requirements for continuous in-stack monitoring for stationary sources). Results of emission monitoring shall be submitted to the Department on a regular basis in compliance with Chapter 139 Subchapter C.

(c) Continuous SO₂ monitoring systems installed under this section shall meet the minimum data availability requirements in Chapter 139 Subchapter C.

(d) N/A.

(e) The Department may use the data from the SO₂ monitoring devices or from the alternative monitoring systems required by this section to enforce the emission limitations for SO₂ defined in this article.

(f) N/A.

(g) The Department may use the data from the SO₂ monitoring systems or from the alternative monitoring systems required by this section to determine compliance with the applicable emission limitations for SO₂ established in this article.

**SECTION E. Source Group Restrictions.****# 010 [25 Pa. Code §123.46]****Monitoring requirements**

In accordance with Title 25 PA Code Section 123.46(c), each unit, after the installation of the FGD system, is exempt from the requirements of Title 25 PA Code Section 123.46(b), relating to the installation and operation of a continuous opacity monitoring device.

011 [25 Pa. Code §123.51]**Monitoring requirements**

(a) This section applies to combustion units with a rated heat input of 250 million Btus per hour or greater and with an annual average capacity factor of greater than 30%.

(b) Sources subject to this section shall install, operate and maintain continuous nitrogen oxides monitoring systems and other monitoring systems to convert data to required reporting units in compliance with Chapter 139, Subchapter C (relating to requirements for continuous in-stack monitoring for statutory sources).

(c) Sources subject to this section shall submit results on a regular schedule and in a format acceptable to the Department and in compliance with Chapter 139, Subchapter C.

(d) Continuous nitrogen oxides monitoring systems installed under the requirements of this section shall meet the minimum data availability requirements in Chapter 139, Subchapter C.

(e) - (f) N/A.

012 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The Owner/Operator shall operate and maintain devices to monitor and record the following FGD System parameters at a frequency of at least once per day:

- a) Absorber pressure differential.
- b) Flue gas pressure drop across mist eliminators.
- c) Absorber inlet and outlet temperature.
- d) Absorber reaction tank pH.
- e) Absorber reaction tank gypsum slurry density.

[From Plan Approval, PA-03-00027B, Section E-Source Group 1 Condition 010.]

013 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The Owner/Operator shall read and record Visible Emissions for at least 1 hour each calendar week from the Main Boiler stack, using EPA Reference Method 9, found at 40 CFR 60, Appendix A, unless atmospheric conditions make such readings impossible.

[From Plan Approval, PA-03-00027B, Section E-Source Group 1 Condition 011.]

014 [25 Pa. Code §139.101]**General requirements.**

In accordance with the Department's "Continuous Source Monitoring Manual" the owner or operator shall observe the following requirements when performing any maintenance/calibration on the CEM system(s):

(A) MAINTENANCE:

1. Zero and upscale calibration error checks should be conducted immediately prior to maintenance, if possible.
2. Zero and upscale calibration error checks must be conducted immediately following any maintenance.
3. If the post maintenance zero or calibration error checks show calibration error in excess of twice the applicable performance specification, recalibration must be conducted in accordance with quarterly linearity check procedures in Paragraph (B)(2). Monitors may be calibrated in-situ.

**SECTION E. Source Group Restrictions.****(B) PERIODIC CALIBRATION:**

1. Calibration must be conducted at least daily for determination of measurement device zero and upscale calibration error on all measurement device ranges. The calibration must be performed as per the Department's "Continuous Source Monitoring Manual."
2. The monitoring system must be adjusted whenever the zero or upscale calibration error performance specification are exceeded.
3. The zero calibration error check must be conducted at a measurement level at or between 0% and 30% of measurement device range. The value selected must be lower than the lowest value that would be expected to occur under normal source operating conditions.
4. The calibration error check must be conducted at a measurement level at or between 40% and 100% of measurement device range unless an alternative level can be demonstrated to better represent normal source operating levels.

[From Department's Continuous Source Monitoring Manual (Revision No. 8 {Current revision at time of permit issuance.}), Quality Assurance Section, Subsections I.C.1 and 1.D.1.]

Approval of alternatives to these procedures (e.g., those per 40 CFR Part 75 [Acid Rain Program]) may be requested via submittal to the Chief of the Division of Source Testing and Monitoring, Bureau of Air Quality (BAQ). The Department has the authority to determine which alternatives are applicable.

[From Department's Continuous Source Monitoring Manual (Revision No. 8 {Current revision at time of permit issuance.}), Applicability Section]

015 [25 Pa. Code §139.101]**General requirements.**

- (a) At least once in every four calendar quarters in which the source operates for 168 hours or more, or within 720 source operating hours after the close of such four quarters, the permittee shall conduct a System Performance Audit in accordance with the relative accuracy test audit procedures listed in the Department's Continuous Source Monitoring Manual.
- (b) When eight consecutive calendar quarters elapse after the last System Performance Audit, a System Performance Audit must be conducted within 720 source-operating hours.
- (c) Notification of System Performance Audit testing must be provided to the Department's Source Testing and Monitoring, Continuous Emission Monitoring Section at least 21 days prior to testing.
- (d) Departmental approval must be obtained prior to the testing.
- (e) A periodic self-audit conducted for purposes of meeting the requirements of the Department's Continuous Source Monitoring Manual may not be conducted within 6 months of the previous successful periodic self-audit on the same existing, previously approved monitoring system to which no changes have been made.

[From Department's Continuous Source Monitoring Manual (Revision No. 8 {Current revision at time of permit issuance.}), Quality Assurance Section, Subsection I.E.]

IV. RECORDKEEPING REQUIREMENTS.**# 016 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

As established in Plan Approval PA-03-00027A and administratively amended into this Title V Operating Permit, the permittee shall keep a monthly log of all aqueous ammonia shipments delivered to this facility. These records shall be kept on-site for a period of five years and be made available to the Department upon request.

017 [25 Pa. Code §139.101]**General requirements.**

In accordance with the Department's "Continuous Source Monitoring Manual", the permittee shall maintain the Continuous

**SECTION E. Source Group Restrictions.**

Emission Records as follows:

- 1) All data shall be reduced to one-hour averages on a clock basis. The reduction methods must be in accordance with the data validation and reduction criteria of the Department's Quality Assurance requirements.
- 2) A chronological file shall be maintained which includes the following:
 - a) All measurements from the systems;
 - b) All valid averages as specified above;
 - c) The cause, time periods, and magnitudes of all exceedances;
 - d) Data and results for all performance tests, audits, and recalibrations;
 - e) Records of any repairs, adjustments, or maintenance;
 - f) Conversion methods;
 - g) The cause and time periods for any invalid data;
 - h) Records of all corrective actions taken in response to exceedances;

Copies of the Phase I application, Phase II testing protocol, Phase III performance specification testing report, and all correspondence related to the CEMs.

[From Department's Continuous Source Monitoring Manual (Revision No. 8 {Current revision at time of permit issuance.}), Recordkeeping and Reporting Section, Subsections I.A.]

V. REPORTING REQUIREMENTS.**# 018 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

[Additional authority for permit condition (a) is also derived from 40 CFR §64.9 & §70.6 (a) (3) (iii) (A).]

The permittee shall report all excursions and corrective actions taken, the dates, times, durations and possible causes, every six (6) months.

019 [25 Pa. Code §135.4]**Report format**

In accordance with the Department's "Continuous Source Monitoring Manual," the owner or operator shall submit to the Department calendar quarterly reports of Continuous Emission Monitoring Systems (CEMs) data containing the following:

- 1) Information on the source and emissions in accordance with the appropriate reporting format approved by the Department.
- 2) The results of all performance tests, audits and recalibrations conducted during the quarter. The report certified by the responsible official shall be submitted to the Division of Source Testing and Monitoring, Continuous Testing Section within thirty (30) days following the end of each quarter in accordance with the Department's Continuous Source Monitoring Manual requirements.
- 3) Subsequent data report changes must be submitted in accordance with the Department's Continuous Source Monitoring Manual requirements.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.531 and 127.511.]

[From Department's Continuous Source Monitoring Manual (Revision No. 8), Recordkeeping and Reporting Section, Subsections I.B.]

VI. WORK PRACTICE REQUIREMENTS.**# 020 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The Owner/Operator shall act in conformance with the operation and maintenance (O&M) plan for the FGD systems.

[From Plan Approval, PA-03-00027B, Section E-Source Group 1 Condition 004.]

**SECTION E. Source Group Restrictions.****VII. ADDITIONAL REQUIREMENTS.****# 021 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

In accordance with RACT Operating Permit No. 03-000-027, for the purpose of establishing NO_x and Volatile Organic Compound (VOC) potential to emit (PTE) only, the following shall apply to sources at the facility:

Main Unit #1
70.17 tpy VOC
15,787.7 tpy NO_x

Main Unit #2
70.17 tpy VOC
15,787.7 tpy NO_x

022 [25 Pa. Code §127.531]**Special conditions related to acid rain.**

(a) This section describes the permit program for acid deposition control in accordance with Titles IV and V of the Clean Air Act (42 U.S.C.A. 7641 and 7642 and 7661--7661f). The provisions of this section shall be interpreted in a manner consistent with the Clean Air Act and the regulations thereunder.

(b) The owner or operator or the designated representative of each affected source under section 405 of the Clean Air Act (42 U.S.C.A. 7651d) shall submit a permit application and compliance plan for the affected source to the Department within 120 days from notice by the Department to submit an application but no later than January 1, 1996, for sulfur dioxide, and no later than January 1, 1998, for NO_x, that meets the requirements of this chapter, the Clean Air Act and the regulations thereunder.

(c) In the case of affected sources for which an application and plan are timely received, the permit application and the compliance plan, including amendments thereto, shall be binding on the owner or operator or the designated representative of the owner or operator and shall be enforceable as a permit for purposes of this section until a permit is issued by the Department.

(d) A permit issued under this section shall require the source to achieve compliance as soon as possible but no later than the date required by the Clean Air Act or the regulations thereunder for the source.

(e) At any time after the submission of a permit application and compliance plan, the applicant may submit a revised application and compliance plan. In considering a permit application and compliance plan under this section, the Department will coordinate with the Pennsylvania Public Utility Commission consistent with the requirements established by the EPA.

(f) In addition to the other requirements of this chapter, permits issued under this section shall prohibit the following:

(1) Annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide that the owner or operator or designated representative holds for the unit.

(2) Exceeding applicable emission rates or standards, including ambient air quality standards.

(3) The use of an allowance prior to the year for which it is allocated.

(4) Contravention of other provisions of the permit.

(g) Each permit issued to a source under Title IV of the Clean Air Act shall contain a condition prohibiting emissions exceeding any allowances that the source lawfully holds under Title IV of the Clean Air Act or the regulations thereunder.

(1) A permit revision will not be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, if the increases do not require a permit revision under another applicable requirement.

(2) A limit will not be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with another applicable requirement.

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(3) An allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act.

023 [40 CFR Part 72 Regulations on Permits §40 CFR 72.1]**Subpart A--Acid Rain Program General Provisions****Purpose and scope.**

Boilers #1 and #2 (Source IDs 031 and 032) are subject to the Title IV Acid Rain Program of the 1990 Clean Air Act Amendments, and shall comply with all applicable provisions of that Title, including the following:

- 40 CFR Part 72 Permits Regulations
- 40 CFR Part 73 Sulfur Dioxide Allowance System
- 40 CFR Part 75 Continuous Emissions Monitoring
- 40 CFR Part 77 Excess Emissions

The entire Title IV permit is attached to this Title V permit.

024 [40 CFR Part 72 Regulations on Permits §40 CFR 72.32]**Subpart C--Acid Rain Permit Application****Permit application shield and binding effect of permit application.**

All subsections except (d).

025 [40 CFR Part 72 Regulations on Permits §40 CFR 72.51]**Subpart E--Acid Rain Permit Contents****Permit shield.**

All subsections.

026 [40 CFR Part 72 Regulations on Permits §40 CFR 72.6]**Subpart A--Acid Rain Program General Provisions****Applicability.**

Subsection (a) (2).

027 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.10]**Subpart B--Monitoring Provisions****General operating requirements.**

All subsections.

028 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.12]**Subpart B--Monitoring Provisions****Specific provisions for monitoring NOx emissions (NOx and diluent gas monitors).**

Subsections (a) and (b).

029 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.13]**Subpart B--Monitoring Provisions****Specific provisions for monitoring CO2 emissions.**

Subsection (a).

030 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.14]**Subpart B--Monitoring Provisions****Specific provisions for monitoring opacity.**

Subsections (a) and (b).

031 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.2]**Subpart A--General****Applicability.**

All subsections.

032 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.20]**Subpart C--Operation and Maintenance Requirements****Certification and recertification procedures.**

All subsections except (e), (f), and (g).

**SECTION E. Source Group Restrictions.**

<p># 033 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.21] Subpart C--Operation and Maintenance Requirements Quality assurance and quality control requirements. Subsections (a) (1), (2) and (3).</p>
<p># 034 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.22] Subpart C--Operation and Maintenance Requirements Reference test methods. All subsections.</p>
<p># 035 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.24] Subpart C--Operation and Maintenance Requirements Out-of-control periods. All subsections.</p>
<p># 036 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.30] Subpart D--Missing Data Substitution Procedures General provisions. All subsections.</p>
<p># 037 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.4] Subpart A--General Compliance dates. Subsection (a) (3).</p>
<p># 038 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.53] Subpart F--Recordkeeping Requirements Monitoring plan. All subsections.</p>
<p># 039 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.60] Subpart G--Reporting Requirements General provisions. All subsections.</p>
<p># 040 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.61] Subpart G--Reporting Requirements Notifications All subsections.</p>
<p># 041 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.62] Subpart G--Reporting Requirements Monitoring plan. All subsections.</p>
<p># 042 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.63] Subpart G--Reporting Requirements Initial certification or recertification application. All subsections.</p>
<p># 043 [40 CFR Part 75 Continuous Emission Monitoring §40 CFR 75.64] Subpart G--Reporting Requirements Quarterly reports. All subsections.</p>
<p># 044 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR Supart 63.9981] SUBPART UUUUU - National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units Am I subject to this subpart? The two coal fired-boilers (Source IDs 031 and 032) are affected sources for the purposes of National Emission Standards</p>

**SECTION E. Source Group Restrictions.**

for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units. As the operator of Source IDs 031 and 032, the permittee shall comply with all applicable requirements codified in 40 CFR Part 63 Subpart UUUUU, 40 CFR §§ 63.9980 through 63.10042, including Tables and Appendices, no later than April 16, 2015.

These boilers will comply with the requirements to limit emissions of non-mercury metallic HAPs in Table 2 (1.) of Subpart UUUUU by limiting the emission of filterable particulate from each boiler to either 0.03 lb/MMBtu or 0.3 lb/MWh.

***** Permit Shield in Effect. *****

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Group Name: G02

Group Description: Main Boilers #1 and #2 (PA CAIR Conditions)

Sources included in this group

ID	Name
031	BOILER 1 WITH LOW NOX BURNER
032	BOILER 2 WITH LOW NOX BURNER

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.**# 001 [25 Pa. Code §145.204.]****Incorporation of Federal regulations by reference.**

(a) Except as otherwise specified in this subchapter, the provisions of the CAIR NO_x Annual Trading Program, found in 40 CFR Part 96 (relating to NO_x budget trading program and CAIR NO_x and SO₂ trading programs for State implementation plans), including all appendices, future amendments and supplements thereto, are incorporated by reference.

(b) Except as otherwise specified in this subchapter, the provisions of the CAIR SO₂ Trading Program, found in 40 CFR Part 96, including all appendices, future amendments and supplements thereto, are incorporated by reference.

(c) Except as otherwise specified in this subchapter, the provisions of the CAIR NO_x Ozone Season Trading Program, found in 40 CFR Part 96, including all appendices, future amendments and supplements thereto, are incorporated by reference.

(d) In the event of a conflict between Federal regulatory provisions incorporated by reference in this subchapter and Pennsylvania regulatory provisions, the provision expressly set out in this subchapter shall be followed unless the Federal provision is more stringent. Federal regulations that are cited in this subchapter or that are cross-referenced in the Federal regulations incorporated by reference include any Pennsylvania modifications made to those Federal regulations.

002 [25 Pa. Code §145.205.]**Emission reduction credit provisions.**

The following conditions shall be satisfied in order for the Department to issue a permit or plan approval to the owner or operator of a unit not subject to this subchapter that is relying on emission reduction credits (ERCs) or creditable emission

**SECTION E. Source Group Restrictions.**

reductions in an applicability determination under Chapter 127, Subchapter E (relating to new source review), or is seeking to enter into an emissions trade authorized under Chapter 127 (relating to construction, modification, reactivation and operation of sources), if the ERCs or creditable emission reductions were, or will be, generated by a unit subject to this subchapter.

(1) Prior to issuing the permit or plan approval, the Department will permanently reduce the Commonwealth's CAIR NO_x trading budget or CAIR NO_x Ozone Season trading budget, or both, as applicable, beginning with the sixth control period following the date the plan approval or permit to commence operations or increase emissions is issued. The Department will permanently reduce the applicable CAIR NO_x budgets by an amount of allowances equal to the ERCs or creditable emission reductions relied upon in the applicability determination for the non-CAIR unit subject to Chapter 127, Subchapter E or in the amount equal to the emissions trade authorized under Chapter 127, as if these emissions had already been emitted.

(2) The permit or plan approval must prohibit the owner or operator from commencing operation or increasing emissions until the owner or operator of the CAIR unit generating the ERC or creditable emission reduction surrenders to the Department an amount of allowances equal to the ERCs or emission reduction credits relied upon in the applicability determination for the non-CAIR unit under Chapter 127, Subchapter E or the amount equal to the ERC trade authorized under Chapter 127, for each of the five consecutive control periods following the date the non-CAIR unit commences operation or increases emissions. The allowances surrendered must be of present or past vintage years.

003 [25 Pa. Code §145.212.]**CAIR NO_x allowance allocations.**

(a) Provisions not incorporated by reference.

The requirements of 40 CFR 96.142 (relating to CAIR NO_x allowance allocations) are not incorporated by reference. Instead of 40 CFR 96.142, the requirements set forth in this section apply.

(b) Baseline heat input. Baseline heat input for each CAIR NO_x unit will be converted as follows:

(1) A unit's control period heat input and a unit's status as coal-fired or oil-fired for a calendar year under this paragraph will be determined in one of the following two ways:

(i) In accordance with 40 CFR Part 75 (relating to continuous emission monitoring), to the extent that the unit was otherwise subject to 40 CFR Part 75 for the year.

(ii) Based on the best available data reported to the Department for the unit, to the extent the unit was not otherwise subject to the requirements of 40 CFR Part 75 for the year.

(2) Except as provided in subparagraphs (iv) and (v), a unit's converted control period heat input for a calendar year shall be determined as follows:

(i) The control period gross electrical output of the generators served by the unit multiplied by 7,900 Btu/kWh if the unit is coal-fired for the year, and divided by 1,000,000 Btu/mmBtu.

(ii) The control period gross electrical output of the generators served by the unit multiplied by 6,675 Btu/kWh if the unit is not coal-fired for the year, and divided by 1,000,000 Btu/mmBtu.

(iii) If a generator is served by two or more units, the gross electrical output of the generator will be attributed to each unit in proportion to the share of the total control period heat input from each of the units for the year.

(iv) For a unit that is a boiler and has equipment used to produce electricity and useful thermal energy for industrial, commercial, heating or cooling purposes through the sequential use of energy, the total heat energy (in Btus) of the steam produced by the boiler during the annual control period, divided by 0.8 and by 1,000,000 Btu/mmBtu.

(v) For a unit that is a combustion turbine and has equipment used to produce electricity and useful thermal energy for industrial, commercial, heating or cooling purposes through the sequential use of energy, the annual control period gross electrical output of the enclosed device comprising the compressor, combustor and turbine multiplied by 3,413 Btu/kWh, plus the total heat energy (in Btu) of the steam produced by any associated heat recovery steam generator during the

**SECTION E. Source Group Restrictions.**

annual control period divided by 0.8, and with the sum divided by 1,000,000 Btu/mmBtu.

(vi) Calculations will be based on the best output data available on or before January 31 of the year the allocations are published. If unit level electrical or steam output data are not available from EIA, or submitted by this date by the owner or operator of the CAIR NOx unit, then heat input data for the period multiplied by 0.25 and converted to MWh will be used to determine total output.

(c) Existing unit, new unit and subsection (f)(1) qualifying resource allocation baseline. For each control period beginning with January 1, 2010, and each year thereafter, the Department will allocate to qualifying resources and CAIR NOx units, including CAIR NOx units issued allowances under subsection (e), a total amount of CAIR NOx allowances equal to the number of CAIR NOx allowances remaining in the Commonwealth's CAIR NOx trading budget under 40 CFR 96.140 (relating to State trading budgets) for those control periods using summed baseline heat input data as determined under subsections (b) and (f)(1) from a baseline year that is 6 calendar years before the control period.

(d) Proration of allowance allocations. The Department will allocate CAIR NOx allowances to each existing CAIR NOx unit and qualifying resource in an amount determined by multiplying the amount of CAIR NOx allowances in the Commonwealth's CAIR NOx trading budget available for allocation under subsection (c) by the ratio of the baseline heat input of the existing CAIR NOx unit or qualifying resource to the sum of the baseline heat input of existing CAIR NOx units and of the qualifying resources, rounding to the nearest whole allowance as appropriate.

(e) Allocations to new CAIR NOx units. By March 31, 2011, and March 31 each year thereafter, the Department will allocate CAIR NOx allowances under § 145.211(c) (relating to timing requirements for CAIR NOx allowance allocations) to CAIR NOx units equal to the previous year's emissions at each unit, unless the unit has been issued allowances of the previous year's vintage in a regular allocation under § 145.211(b). The Department will allocate CAIR NOx allowances under this subsection of a vintage year that is 5 years later than the year in which the emissions were generated. The number of CAIR NOx allowances allocated may not exceed the actual emission of the year preceding the year in which the Department makes the allocation. The allocation of these allowances to the new unit will not reduce the number of allowances the unit is entitled to receive under another provision of this subchapter.

(f) Allocations to qualifying resources and units exempted by Section 405(g)(6)(a) of the Clean Air Act. For each control period beginning with 2010 and thereafter, the Department will allocate CAIR NOx allowances to qualifying resources under paragraph (1) in this Commonwealth that are not also allocated CAIR NOx allowances under another provision of this subchapter and to existing units under paragraph (2) that were exempted at any time under Section 405(g)(6)(a) of the Clean Air Act (42 U.S.C.A. § 7651d(g)(6)(A)), regarding phase II SO₂ requirements, and that commenced operation prior to January 1, 2000, but did not receive an allocation of SO₂ allowances under the EPA's Acid Rain Program, as follows:

(1) The Department will allocate CAIR NOx allowances to a renewable energy qualifying resource or demand side management energy efficiency qualifying resource in accordance with subsections (c) and (d) upon receipt by the Department of an application, in writing, on or before June 30 of the year following the control period, except for vintage year 2011 and 2012 NOx allowance allocations whose application deadline will be prescribed by the Department, meeting the requirements of this paragraph. The number of allowances allocated to the qualifying resource will be determined by converting the certified quantity of electric energy production, useful thermal energy, and energy equivalent value of the measures approved under the Pennsylvania Alternative Energy Portfolio Standard to equivalent thermal energy. Equivalent thermal energy is a unit's baseline heat input for allocation purposes. The conversion rate for converting electrical energy to equivalent thermal energy is 3,413 Btu/kWh. To receive allowances under this subsection, the qualifying resource must have commenced operation after January 1, 2005, must be located in this Commonwealth and may not be a CAIR NOx unit. The following procedures apply:

(i) The owner of a qualifying renewable energy resource shall appoint a CAIR-authorized account representative and file a certificate of representation with the EPA and the Department.

(ii) The Department will transfer the allowances into an account designated by the owner's CAIR-authorized account representative of the qualifying resource, or into an account designated by an aggregator approved by the Pennsylvania Public Utility Commission or its designee.

(iii) The applicant shall provide the Department with the corresponding renewable energy certificate serial numbers.

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(iv) At least one whole allowance must be generated per owner, operator or aggregator for an allowance to be issued.

(2) The Department will allocate CAIR NOx allowances to the owner or operator of a CAIR SO₂ unit that commenced operation prior to January 1, 2000, that has not received an SO₂ allocation for that compliance period, as follows:

(i) By January 31, 2011, and each year thereafter, the owner or operator of a unit may apply, in writing, to the Department under this subsection to receive extra CAIR NOx allowances.

(ii) The owner or operator may request under this subparagraph one CAIR NOx allowance for every 8 tons of SO₂ emitted from a qualifying unit during the preceding control period. An owner or operator of a unit covered under this subparagraph that has opted into the Acid Rain Program may request one CAIR NOx allowance for every 8 tons of SO₂ emissions that have not been covered by the SO₂ allowances received as a result of opting into the Acid Rain Program.

(iii) If the original CAIR NOx allowance allocation for the unit for the control period exceeded the unit's actual emissions of NOx for the control period, the owner or operator shall also deduct the excess CAIR NOx allowances from the unit's request under subparagraph (ii). This amount is the unit's adjusted allocation and will be allocated unless the proration described in subparagraph (iv) applies.

(iv) The Department will make any necessary corrections and then sum the requests. If the total number of NOx allowances requested by all qualified units under this paragraph, as adjusted by subparagraph (iii), is less than 1.3% of the Commonwealth's CAIR NOx Trading Budget, the Department will allocate the corrected amounts. If the total number of NOx allowances requested by all qualified units under this paragraph exceeds 1.3% of the Commonwealth's CAIR NOx Trading Budget, the Department will prorate the allocations based upon the following equation:

$$AA = [EA * X (0.013 * BNA)]/TRA$$

where,

AA is the unit's prorated allocation,

EA is the adjusted allocation the unit may request under subparagraph (iii),

BNA is the total number of CAIR NOx allowances in the Commonwealth's CAIR NOx trading budget,

TRA is the total number of CAIR NOx allowances requested by all units requesting allowances under this paragraph.

(3) The Department will review each CAIR NOx allowance allocation request under this subsection and will allocate CAIR NOx allowances for each control period under a request as follows:

(i) The Department will accept an allowance allocation request only if the request meets, or is adjusted by the Department as necessary to meet, the requirements of this section.

(ii) On or after January 1 of the year of allocation, the Department will determine the sum of the CAIR NOx allowances requested.

(4) Up to 1.3% of the Commonwealth's CAIR NOx trading budget is available for allocation in each allocation cycle from 2011-2016 to allocate 2010-2015 allowances for the purpose of offsetting SO₂ emissions from units described in paragraph (2). Beginning January 1, 2017, and for each allocation cycle thereafter, the units will no longer be allocated CAIR NOx allowances under paragraph (2). Any allowances remaining after this allocation will be allocated to units under subsection (c) during the next allocation cycle.

(5) Notwithstanding the provisions of paragraphs (2)-(4), the Department may extend, terminate or otherwise modify the allocation of NOx allowances made available under this subsection for units exempted under section 405(g)(6)(a) of the Clean Air Act after providing notice in the Pennsylvania Bulletin and at least a 30-day public comment period.

(g) The Department will correct any errors in allocations made by the Department and discovered after final allocations are made but before the next allocation cycle, in the subsequent allocation cycle using future allowances that have not yet been allocated.

**SECTION E. Source Group Restrictions.****# 004 [25 Pa. Code §145.213.]****Supplemental monitoring, recordkeeping and reporting requirements for gross electrical output and useful thermal energy for units subject to 40 CFR 96.170--96.175.**

(a) By January 1, 2009, or by the date of commencing commercial operation, whichever is later, the owner or operator of the CAIR NO_x unit shall install, calibrate, maintain and operate a wattmeter, measure gross electrical output in megawatt-hours on a continuous basis and record the output of the wattmeter. If a generator is served by two or more units, the information to determine the heat input of each unit for that control period shall also be recorded, so as to allow each unit's share of the gross electrical output to be determined. If heat input data are used, the owner or operator shall comply with the applicable provisions of 40 CFR Part 75 (relating to continuous emission monitoring).

(b) By September 1, 2008, for a CAIR NO_x unit that is a cogeneration unit, and for a CAIR NO_x unit with cogeneration capabilities, the owner or operator shall install, calibrate, maintain and operate meters for steam flow in lbs/hr, temperature in degrees Fahrenheit, and pressure in PSI, to measure and record the useful thermal energy that is produced, in mmBtu/hr, on a continuous basis. The owner or operator of a CAIR NO_x unit that produces useful thermal energy but uses an energy transfer medium other than steam, such as hot water or glycol, shall install, calibrate, maintain and operate the necessary meters to measure and record the data necessary to express the useful thermal energy produced, in mmBtu/hr, on a continuous basis. If the unit ceases to produce useful thermal energy, the owner or operator may cease operation of the meters, but operation of the meters shall be resumed if the unit resumes production of useful thermal energy.

(c) Beginning with 2009, the designated representative of the unit shall submit to the Department an annual report showing monthly gross electrical output and monthly useful thermal energy from the unit. The report is due by January 31 for the preceding calendar year.

(d) The owner or operator of a CAIR NO_x unit shall maintain onsite the monitoring plan detailing the monitoring system and maintenance of the monitoring system, including quality assurance activities. The owner or operator of a CAIR NO_x unit shall retain the monitoring plan for at least 5 years from the date that it is replaced by a new or revised monitoring plan. The owner or operator of a CAIR NO_x unit shall provide the Department with a written copy of the monitoring plan by January 1, 2009, and thereafter within 3 calendar months of making updates to the plan.

(e) The owner or operator of a CAIR NO_x unit shall retain records for at least 5 years from the date the record is created or the data collected as required by subsections (a) and (b), and the reports submitted to the Department and the EPA in accordance with subsections (c) and (d).

005 [25 Pa. Code §145.222.]**CAIR NO_x Ozone Season allowance allocations.**

(a) Provisions not incorporated by reference. The requirements of 40 CFR 96.342 (relating to CAIR NO_x Ozone Season allowance allocations) are not incorporated by reference. Instead of 40 CFR 96.342, the requirements in this section apply.

(b) Baseline heat input. Baseline heat input for each CAIR NO_x Ozone Season unit will be converted as follows:

(1) A unit's control period heat input and a unit's status as coal-fired or oil-fired for the ozone season portion of a calendar year under this paragraph will be determined in one of the following two ways:

(i) In accordance with 40 CFR Part 75 (relating to continuous emission monitoring), to the extent that the unit was otherwise subject to the requirements of 40 CFR Part 75 for the control period.

(ii) Based on the best available data reported to the Department for the unit, to the extent the unit was not otherwise subject to the requirements of 40 CFR Part 75 for the year.

(2) Except as provided in subparagraphs (iv) and (v), a unit's converted control period heat input for the ozone season portion of a calendar year shall be determined as follows:

(i) The control period gross electrical output of the generators served by the unit multiplied by 7,900 Btu/kWh if the unit is coal-fired for the ozone season control period, and divided by 1,000,000 Btu/mmBtu.

(ii) The control period gross electrical output of the generators served by the unit multiplied by 6,675 Btu/kWh if the unit is not coal-fired for the ozone season control period, and divided by 1,000,000 Btu/mmBtu.

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(iii) If a generator is served by 2 or more units, the gross electrical output of the generator will be attributed to each unit in proportion to the share of the total control period heat input from each of the units for the ozone season control period.

(iv) For a unit that is a boiler and has equipment used to produce electricity and useful thermal energy for industrial, commercial, heating or cooling purposes through the sequential use of energy, the total heat energy (in Btus) of the steam produced by the boiler during the ozone season control period, divided by 0.8 and by 1,000,000 Btu/mmBtu.

(v) For a unit that is a combustion turbine and has equipment used to produce electricity and useful thermal energy for industrial, commercial, heating or cooling purposes through the sequential use of energy, the control period gross electrical output of the enclosed device comprising the compressor, combustor and turbine multiplied by 3,413 Btu/kWh, plus the total heat energy (in Btu) of the steam produced by any associated heat recovery steam generator during the ozone season control period divided by 0.8, and with the sum divided by 1,000,000 Btu/mmBtu.

(vi) Calculations will be based on the best output data available on or before January 31 of the year the allocations are published. If unit level electrical or steam output data are not available from EIA, or submitted by this date by the owner or operator of the CAIR NOx Ozone Season unit, then heat input data for the period multiplied by 0.25 and converted to MWh will be used to determine total output.

(c) Existing unit, new unit and subsection (f)(1) qualifying resource allocation baseline. For each control period beginning with the 2010 control period and thereafter, the Department will allocate to qualifying resources and CAIR NOx Ozone Season units, including CAIR NOx Ozone Season units issued allowances under subsection (e), a total amount of CAIR NOx Ozone Season allowances equal to the number of CAIR NOx Ozone Season allowances remaining in the Commonwealth's CAIR NOx Ozone Season trading budget under 40 CFR 96.140 (relating to State trading budgets) for those control periods using summed baseline heat input data as determined under subsections (b) and (f)(1) from an ozone season control period in a baseline year that is 6 calendar years before the control period.

(d) Proration of allowance allocations. The Department will allocate CAIR NOx Ozone Season allowances to each existing CAIR NOx Ozone Season unit and qualifying resource in an amount determined by multiplying the amount of CAIR NOx Ozone Season allowances in the Commonwealth's CAIR NOx Ozone Season trading budget available for allocation under subsection (c) by the ratio of the baseline heat input of the existing CAIR NOx Ozone Season unit or qualifying resource to the sums of the baseline heat input of existing CAIR NOx Ozone Season units and of the qualifying resources, rounding to the nearest whole allowance as appropriate.

(e) Allocations to new CAIR NOx Ozone Season units. By March 31, 2011, and March 31 each year thereafter, the Department will allocate CAIR NOx Ozone Season allowances under § 145.221(c) (relating to timing requirements for CAIR NOx Ozone Season allowance allocations) to CAIR NOx Ozone Season units equal to the previous year's emissions at each unit, unless the unit has been issued allowances of the previous year's vintage in a regular allocation under § 145.221(b). The Department will allocate CAIR NOx allowances under this subsection of a vintage year that is 5 years later than the year in which the emissions were generated. The number of CAIR NOx Ozone Season allowances allocated shall not exceed the actual emission of the year preceding the year in which the Department makes the allocation. The allocation of these allowances to the new unit will not reduce the number of allowances the unit is entitled to receive under another provision of this subchapter.

(f) Allocations to qualifying resources. For each control period beginning with the 2010 control period, and thereafter, the Department will allocate CAIR NOx Ozone Season allowances to qualifying resources in this Commonwealth that are not also allocated CAIR NOx Ozone Season allowances under another provision of this subchapter, as follows:

(1) The Department will allocate CAIR NOx Ozone Season allowances to a renewable energy qualifying resource or demand side management energy efficiency qualifying resource in accordance with subsections (c) and (d) upon receipt by the Department of an application, in writing, on or before June 30 of the year following the control period, except for vintage year 2011 and 2012 NOx Ozone Season allowance allocations whose application deadline will be prescribed by the Department, meeting the requirements of this paragraph. The number of allowances allocated to the qualifying resource will be determined by converting the certified quantity of electric energy production, useful thermal energy, and energy equivalent value of the measures approved under the Pennsylvania Alternative Energy Portfolio Standard to equivalent thermal energy. Equivalent thermal energy is a unit's baseline heat input for allocation purposes. The conversion rate for converting electrical energy to equivalent thermal energy is 3,413 Btu/kWh. To receive allowances under this subsection, the qualifying resource must have commenced operation after January 1, 2005, must be located in this Commonwealth and

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may not be a CAIR NOx Ozone Season unit. The following procedures apply:

(i) The owner of a qualifying renewable energy resource shall appoint a CAIR-authorized account representative and file a certificate of representation with the EPA and the Department.

(ii) The Department will transfer the allowances into an account designated by the owner's CAIR-authorized account representative of the qualifying resource, or into an account designated by an aggregator approved by the Pennsylvania Public Utility Commission or its designee.

(iii) The applicant shall provide the Department with the corresponding renewable energy certificate serial numbers.

(iv) At least one whole allowance must be generated per owner, operator or aggregator for an allowance to be issued.

(g) The Department will correct any errors in allocations made by the Department and discovered after final allocations are made but before the next allocation cycle, in the subsequent allocation cycle using future allowances that have not yet been allocated.

006 [25 Pa. Code §145.223.]

Supplemental monitoring, recordkeeping and reporting requirements for gross electrical output and useful thermal energy for units subject to 40 CFR 96.370--96.375.

(a) By January 1, 2009, or by the date of commencing commercial operation, whichever is later, the owner or operator of the CAIR NOx Ozone Season unit shall install, calibrate, maintain and operate a wattmeter, measure gross electrical output in megawatt-hours on a continuous basis and record the output of the wattmeter. If a generator is served by two or more units, the information to determine the heat input of each unit for that control period shall also be recorded, so as to allow each unit's share of the gross electrical output to be determined. If heat input data are used, the owner or operator shall comply with the applicable provisions of 40 CFR Part 75 (relating to continuous emission monitoring).

(b) By September 1, 2008, for a CAIR NOx Ozone Season unit that is a cogeneration unit, and for a CAIR NOx Ozone Season unit with cogeneration capabilities, the owner or operator shall install, calibrate, maintain and operate meters for steam flow in lbs/hr, temperature in degrees Fahrenheit and pressure in PSI, to measure and record the useful thermal energy that is produced, in mmBtu/hr, on a continuous basis. The owner or operator of a CAIR NOx Ozone Season unit that produces useful thermal energy but uses an energy transfer medium other than steam, such as hot water or glycol, shall install, calibrate, maintain and operate the necessary meters to measure and record the data necessary to express the useful thermal energy produced, in mmBtu/hr, on a continuous basis. If the unit ceases to produce useful thermal energy, the owner or operator may cease operation of the meters, but operation of the meters shall be resumed if the unit resumes production of useful thermal energy.

(c) Beginning with 2009, the designated representative of the unit shall submit to the Department an annual report showing monthly gross electrical output and monthly useful thermal energy from the unit. The report is due by January 31 for the preceding calendar year.

(d) The owner or operator of a CAIR NOx Ozone Season unit shall maintain onsite the monitoring plan detailing the monitoring system and maintenance of the monitoring system, including quality assurance activities. The owner or operator of a CAIR NOx Ozone Season unit shall retain the monitoring plan for at least 5 years from the date that it is replaced by a new or revised monitoring plan. The owner or operator of a CAIR NOx Ozone Season unit shall provide the Department with a written copy of the monitoring plan by January 1, 2009, and thereafter within 3 calendar months of making updates to the plan.

(e) The owner or operator of a CAIR NOx Ozone Season unit shall retain records for at least 5 years from the date the record is created or the data collected as required by subsections (a) and (b), and the reports submitted to the Department and the EPA in accordance with subsections (c) and (d).

007 [40 CFR Part 97 NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs §40 CFR 97.106]

Subpart AA - CAIR NOx Annual Trading Program General Provisions

Standard requirements.

(a) Permit requirements.

(1) The CAIR designated representative of each CAIR NOx source required to have a Title V operating permit and each

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CAIR NOx unit required to have a Title V operating permit at the source shall:

(i) Submit to the permitting authority a complete CAIR permit application under Sec. 97.122 in accordance with the deadlines specified in Sec. 97.121; and

(ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review a CAIR permit application and issue or deny a CAIR permit.

(2) The owners and operators of each CAIR NOx source required to have a Title V operating permit and each CAIR NOx unit required to have a Title V operating permit at the source shall have a CAIR permit issued by the permitting authority under subpart CC of this part for the source and operate the source and the unit in compliance with such CAIR permit.

(3) Except as provided in subpart II of this part, the owners and operators of a CAIR NOx source that is not otherwise required to have a Title V operating permit and each CAIR NOx unit that is not otherwise required to have a Title V operating permit are not required to submit a CAIR permit application, and to have a CAIR permit, under subpart CC of this part for such CAIR NOx source and such CAIR NOx unit.

(b) Monitoring, reporting, and recordkeeping requirements.

(1) The owners and operators, and the CAIR designated representative, of each CAIR NOx source and each CAIR NOx unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of subpart HH of this part.

(2) The emissions measurements recorded and reported in accordance with subpart HH of this part shall be used to determine compliance by each CAIR NOx source with the CAIR NOx emissions limitation under paragraph (c) of this section.

(c) Nitrogen oxides emission requirements.

(1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NOx source and each CAIR NOx unit at the source shall hold, in the source's compliance account, CAIR NOx allowances available for compliance deductions for the control period under Sec. 97.154(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NOx units at the source, as determined in accordance with subpart HH of this part.

(2) A CAIR NOx unit shall be subject to the requirements under paragraph (c)(1) of this section for the control period starting on the later of January 1, 2009 or the deadline for meeting the unit's monitor certification requirements under Sec. 97.170(b)(1), (2), or (5) and for each control period thereafter.

(3) A CAIR NOx allowance shall not be deducted, for compliance with the requirements under paragraph (c)(1) of this section, for a control period in a calendar year before the year for which the CAIR NOx allowance was allocated.

(4) CAIR NOx allowances shall be held in, deducted from, or transferred into or among CAIR NOx Allowance Tracking System accounts in accordance with subparts EE, FF, GG, and II of this part.

(5) A CAIR NOx allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NOx Annual Trading Program. No provision of the CAIR NOx Annual Trading Program, the CAIR permit application, the CAIR permit, or an exemption under Sec. 97.105 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

(6) A CAIR NOx allowance does not constitute a property right.

(7) Upon recordation by the Administrator under subpart EE, FF, GG, or II of this part, every allocation, transfer, or deduction of a CAIR NOx allowance to or from a CAIR NOx source's compliance account is incorporated automatically in any CAIR permit of the source.

(d) Excess emissions requirements.

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If a CAIR NO_x source emits nitrogen oxides during any control period in excess of the CAIR NO_x emissions limitation, then:

(1) The owners and operators of the source and each CAIR NO_x unit at the source shall surrender the CAIR NO_x allowances required for deduction under Sec. 97.154(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law; and

(2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of this subpart, the Clean Air Act, and applicable State law.

(e) Recordkeeping and reporting requirements.

(1) Unless otherwise provided, the owners and operators of the CAIR NO_x source and each CAIR NO_x unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the permitting authority or the Administrator.

(i) The certificate of representation under Sec. 97.113 for the CAIR designated representative for the source and each CAIR NO_x unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation under Sec. 97.113 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with subpart HH of this part, provided that to the extent that subpart HH of this part provides for a 3-year period for recordkeeping, the 3-year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO_x Annual Trading Program.

(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NO_x Annual Trading Program or to demonstrate compliance with the requirements of the CAIR NO_x Annual Trading Program.

(2) The CAIR designated representative of a CAIR NO_x source and each CAIR NO_x unit at the source shall submit the reports required under the CAIR NO_x Annual Trading Program, including those under subpart HH of this part.

(f) Liability.

(1) Each CAIR NO_x source and each CAIR NO_x unit shall meet the requirements of the CAIR NO_x Annual Trading Program.

(2) Any provision of the CAIR NO_x Annual Trading Program that applies to a CAIR NO_x source or the CAIR designated representative of a CAIR NO_x source shall also apply to the owners and operators of such source and of the CAIR NO_x units at the source.

(3) Any provision of the CAIR NO_x Annual Trading Program that applies to a CAIR NO_x unit or the CAIR designated representative of a CAIR NO_x unit shall also apply to the owners and operators of such unit.

(g) Effect on other authorities.

No provision of the CAIR NO_x Annual Trading Program, a CAIR permit application, a CAIR permit, or an exemption under Sec. 97.105 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR NO_x source or CAIR NO_x unit from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

008 [40 CFR Part 97 NO_x Budget Trading Program and CAIR NO_x and SO₂ Trading Programs §40 CFR 97.206]
Subpart AAA - CAIR SO₂ Trading Program General Provisions
Standard requirements.

(a) Permit requirements.

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(1) The CAIR designated representative of each CAIR SO₂ source required to have a Title V operating permit and each CAIR SO₂ unit required to have a Title V operating permit at the source shall:

(i) Submit to the permitting authority a complete CAIR permit application under Sec. 97.222 in accordance with the deadlines specified in Sec. 97.221; and

(ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review a CAIR permit application and issue or deny a CAIR permit.

(2) The owners and operators of each CAIR SO₂ source required to have a Title V operating permit and each CAIR SO₂ unit required to have a Title V operating permit at the source shall have a CAIR permit issued by the permitting authority under subpart CCC of this part for the source and operate the source and the unit in compliance with such CAIR permit.

(3) Except as provided in subpart III of this part, the owners and operators of a CAIR SO₂ source that is not otherwise required to have a Title V operating permit and each CAIR SO₂ unit that is not otherwise required to have a Title V operating permit are not required to submit a CAIR permit application, and to have a CAIR permit, under subpart CCC of this part for such CAIR SO₂ source and such CAIR SO₂ unit.

(b) Monitoring, reporting, and recordkeeping requirements.

(1) The owners and operators, and the CAIR designated representative, of each CAIR SO₂ source and each CAIR SO₂ unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of subpart HHH of this part.

(2) The emissions measurements recorded and reported in accordance with subpart HHH of this part shall be used to determine compliance by each CAIR SO₂ source with the CAIR SO₂ emissions limitation under paragraph (c) of this section.

(c) Sulfur dioxide emission requirements.

(1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR SO₂ source and each CAIR SO₂ unit at the source shall hold, in the source's compliance account, a tonnage equivalent in CAIR SO₂ allowances available for compliance deductions for the control period, as determined in accordance with Sec. 97.254(a) and (b), not less than the tons of total sulfur dioxide emissions for the control period from all CAIR SO₂ units at the source, as determined in accordance with subpart HHH of this part.

(2) A CAIR SO₂ unit shall be subject to the requirements under paragraph (c)(1) of this section for the control period starting on the later of January 1, 2010 or the deadline for meeting the unit(s) monitor certification requirements under Sec. 97.270(b)(1), (2), or (5) and for each control period thereafter.

(3) A CAIR SO₂ allowance shall not be deducted, for compliance with the requirements under paragraph (c)(1) of this section, for a control period in a calendar year before the year for which the CAIR SO₂ allowance was allocated.

(4) CAIR SO₂ allowances shall be held in, deducted from, or transferred into or among CAIR SO₂ Allowance Tracking System accounts in accordance with subparts FFF, GGG, and III of this part.

(5) A CAIR SO₂ allowance is a limited authorization to emit sulfur dioxide in accordance with the CAIR SO₂ Trading Program. No provision of the CAIR SO₂ Trading Program, the CAIR permit application, the CAIR permit, or an exemption under Sec. 97.205 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

(6) A CAIR SO₂ allowance does not constitute a property right.

(7) Upon recordation by the Administrator under subpart FFF, GGG, or III of this part, every allocation, transfer, or deduction of a CAIR SO₂ allowance to or from a CAIR SO₂ source's compliance account is incorporated automatically in any CAIR permit of the source.

(d) Excess emissions requirements.

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If a CAIR SO₂ source emits sulfur dioxide during any control period in excess of the CAIR SO₂ emissions limitation, then:

(1) The owners and operators of the source and each CAIR SO₂ unit at the source shall surrender the CAIR SO₂ allowances required for deduction under Sec. 97.254(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law; and

(2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of this subpart, the Clean Air Act, and applicable State law.

(e) Recordkeeping and reporting requirements.

(1) Unless otherwise provided, the owners and operators of the CAIR SO₂ source and each CAIR SO₂ unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the permitting authority or the Administrator.

(i) The certificate of representation under Sec. 97.213 for the CAIR designated representative for the source and each CAIR SO₂ unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation under Sec. 97.213 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with subpart HHH of this part, provided that to the extent that subpart HHH of this part provides for a 3-year period for recordkeeping, the 3-year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR SO₂ Trading Program.

(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR SO₂ Trading Program or to demonstrate compliance with the requirements of the CAIR SO₂ Trading Program.

(2) The CAIR designated representative of a CAIR SO₂ source and each CAIR SO₂ unit at the source shall submit the reports required under the CAIR SO₂ Trading Program, including those under subpart HHH of this part.

(f) Liability.

(1) Each CAIR SO₂ source and each CAIR SO₂ unit shall meet the requirements of the CAIR SO₂ Trading Program.

(2) Any provision of the CAIR SO₂ Trading Program that applies to a CAIR SO₂ source or the CAIR designated representative of a CAIR SO₂ source shall also apply to the owners and operators of such source and of the CAIR SO₂ units at the source.

(3) Any provision of the CAIR SO₂ Trading Program that applies to a CAIR SO₂ unit or the CAIR designated representative of a CAIR SO₂ unit shall also apply to the owners and operators of such unit.

(g) Effect on other authorities.

No provision of the CAIR SO₂ Trading Program, a CAIR permit application, a CAIR permit, or an exemption under Sec. 97.205 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR SO₂ source or CAIR SO₂ unit from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

**# 009 [40 CFR Part 97 NO_x Budget Trading Program and CAIR NO_x and SO₂ Trading Programs §40 CFR 97.306]
Subpart AAAA - CAIR NO_x Ozone Season Trading Program General Provisions
Standard requirements.**

Permit requirements.

**SECTION E. Source Group Restrictions.**

(1) The CAIR designated representative of each CAIR NOx Ozone Season source required to have a Title V operating permit and each CAIR NOx Ozone Season unit required to have a Title V operating permit at the source shall:

(i) Submit to the permitting authority a complete CAIR permit application under Sec. 97.322 in accordance with the deadlines specified in Sec. 97.321; and

(ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review a CAIR permit application and issue or deny a CAIR permit.

(2) The owners and operators of each CAIR NOx Ozone Season source required to have a Title V operating permit and each CAIR NOx Ozone Season unit required to have a Title V operating permit at the source shall have a CAIR permit issued by the permitting authority under subpart CCCC of this part for the source and operate the source and the unit in compliance with such CAIR permit.

(3) Except as provided in subpart IIII of this part, the owners and operators of a CAIR NOx Ozone Season source that is not otherwise required to have a Title V operating permit and each CAIR NOx Ozone Season unit that is not otherwise required to have a Title V operating permit are not required to submit a CAIR permit application, and to have a CAIR permit, under subpart CCCC of this part for such CAIR NOx Ozone Season source and such CAIR NOx Ozone Season unit.

(b) Monitoring, reporting, and recordkeeping requirements.

(1) The owners and operators, and the CAIR designated representative, of each CAIR NOx Ozone Season source and each CAIR NOx Ozone Season unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of subpart HHHH of this part.

(2) The emissions measurements recorded and reported in accordance with subpart HHHH of this part shall be used to determine compliance by each CAIR NOx Ozone Season source with the CAIR NOx Ozone Season emissions limitation under paragraph (c) of this section.

(c) Nitrogen oxides ozone season emission requirements.

(1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NOx Ozone Season source and each CAIR NOx Ozone Season unit at the source shall hold, in the source's compliance account, CAIR NOx Ozone Season allowances available for compliance deductions for the control period under Sec. 97.354(a) in an amount not less than the tons of total nitrogen oxides emissions for the control period from all CAIR NOx Ozone Season units at the source, as determined in accordance with subpart HHHH of this part.

(2) A CAIR NOx Ozone Season unit shall be subject to the requirements under paragraph (c)(1) of this section for the control period starting on the later of May 1, 2009 or the deadline for meeting the unit's monitor certification requirements under Sec. 97.370(b)(1), (2), (3), or (7) and for each control period thereafter.

(3) A CAIR NOx Ozone Season allowance shall not be deducted, for compliance with the requirements under paragraph (c)(1) of this section, for a control period in a calendar year before the year for which the CAIR NOx Ozone Season allowance was allocated.

(4) CAIR NOx Ozone Season allowances shall be held in, deducted from, or transferred into or among CAIR NOx Ozone Season Allowance Tracking System accounts in accordance with subparts EEEE, FFFF, GGGG, and IIII of this part.

(5) A CAIR NOx Ozone Season allowance is a limited authorization to emit one ton of nitrogen oxides in accordance with the CAIR NOx Ozone Season Trading Program. No provision of the CAIR NOx Ozone Season Trading Program, the CAIR permit application, the CAIR permit, or an exemption under Sec. 97.305 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

(6) A CAIR NOx Ozone Season allowance does not constitute a property right.

(7) Upon recordation by the Administrator under subpart EEEE, FFFF, GGGG, or IIII of this part, every allocation, transfer, or deduction of a CAIR NOx Ozone Season allowance to or from a CAIR NOx Ozone Season source's compliance account is

**SECTION E. Source Group Restrictions.**

incorporated automatically in any CAIR permit of the source.

(d) Excess emissions requirements.

If a CAIR NOx Ozone Season source emits nitrogen oxides during any control period in excess of the CAIR NOx Ozone Season emissions limitation, then:

(1) The owners and operators of the source and each CAIR NOx Ozone Season unit at the source shall surrender the CAIR NOx Ozone Season allowances required for deduction under Sec. 97.354(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable State law; and

(2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of this subpart, the Clean Air Act, and applicable State law.

(e) Recordkeeping and reporting requirements.

(1) Unless otherwise provided, the owners and operators of the CAIR NOx Ozone Season source and each CAIR NOx Ozone Season unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the permitting authority or the Administrator.

(i) The certificate of representation under Sec. 97.313 for the CAIR designated representative for the source and each CAIR NOx Ozone Season unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation under Sec. 97.313 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with subpart HHHH of this part, provided that to the extent that subpart HHHH of this part provides for a 3-year period for recordkeeping, the 3-year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NOx Ozone Season Trading Program.

(iv) Copies of all documents used to complete a CAIR permit application and any other submission under the CAIR NOx Ozone Season Trading Program or to demonstrate compliance with the requirements of the CAIR NOx Ozone Season Trading Program.

(2) The CAIR designated representative of a CAIR NOx Ozone Season source and each CAIR NOx Ozone Season unit at the source shall submit the reports required under the CAIR NOx Ozone Season Trading Program, including those under subpart HHHH of this part.

(f) Liability.

(1) Each CAIR NOx Ozone Season source and each CAIR NOx Ozone Season unit shall meet the requirements of the CAIR NOx Ozone Season Trading Program.

(2) Any provision of the CAIR NOx Ozone Season Trading Program that applies to a CAIR NOx Ozone Season source or the CAIR designated representative of a CAIR NOx Ozone Season source shall also apply to the owners and operators of such source and of the CAIR NOx Ozone Season units at the source.

(3) Any provision of the CAIR NOx Ozone Season Trading Program that applies to a CAIR NOx Ozone Season unit or the CAIR designated representative of a CAIR NOx Ozone Season unit shall also apply to the owners and operators of such unit.

(g) Effect on other authorities.

**SECTION E. Source Group Restrictions.**

No provision of the CAIR NOx Ozone Season Trading Program, a CAIR permit application, a CAIR permit, or an exemption under Sec. 97.305 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR NOx Ozone Season source or CAIR NOx Ozone Season unit from compliance with any other provision of the applicable, approved State implementation plan, a federally enforceable permit, or the Clean Air Act.

*** **Permit Shield in Effect.** ***

**SECTION E. Source Group Restrictions.**

Group Name: G03

Group Description: FGD Material Handling Operations

Sources included in this group

ID	Name
111	LIMESTONE HANDLING, PROCESSING, AND STORAGE OPERATIONS
112	GYPSUM PRODUCTION, PROCESSING, AND HANDLING OPERATIONS

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

All conveyors associated with limestone and gypsum handling operations, shall be fully enclosed or equipped with 3- sided covers (top and two sides) except those conveyors or portions of conveyors, which are located underground or inside a fully enclosed building.

[From PA-03-00027B, Section E, Group ID 2, FGD Material Handling Operations, Condition #001]

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) An operable water truck shall be available at all times for use in the control of fugitive particulate matter from roadways, stockpiles, etc. during operations of the above sources. The water truck shall be equipped with a pressurized water spray bar as well as with a pressurized spray gun or hose connection. The permittee shall use the water truck, weather permitting, whenever the potential for fugitive emissions is present. When use of the water truck presents an icing hazard, a dry vacuum sweeper shall be used to control haul road dust.

(b) The permittee shall not operate non-vacuum type road sweepers on the roadways associated with the above sources.

(c) If, at any time, any component of the above operations is determined by the Department to be causing the emission of fugitive particulate matter in excess of the limitations specified in 25 Pa. Code §§ 123.1 and 123.2 or in excess of the level which the Department considers to be the minimum attainable through the use of the best available technology or in excess of the requirements under 40 CFR §60.672, the permittee shall, upon notification by the Department, immediately install additional water sprays and/or take such other control measures as are necessary to reduce the fugitive particulate matter to acceptable levels.

**SECTION E. Source Group Restrictions.**

(d) The permittee shall establish, and enforce, a vehicle speed limit of 15 miles per hour on the roadways associated with the above sources. This speed limit shall be posted in highly visible locations along the respective roadways.

(e) All trucks loaded with lime, limestone or gypsum that enter or exit the facility via a public roadway shall either be fully enclosed or have their loads tarped. This requirement shall be posted in highly visible locations within the facility.

(f) A truck tire wash station shall be available for use, weather permitting, whenever off-site truck shipments of gypsum occur.

[From PA-03-00027B, Section E, Group ID 2, FGD Material Handling Operations, Condition #002]

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: G04

Group Description: Auxiliary Boilers A and B

Sources included in this group

ID	Name
037	AUX BOILER A
038	AUX BOILER B

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §123.11]****Combustion units**

A person may not permit the emission into the outdoor atmosphere of particulate matter from the combined flue of Auxiliary Boilers A and B in excess of the rate of 0.228 pounds per million Btu of heat input.

Operation Hours Restriction(s).**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

In accordance with RACT Operating Permit No. 03-000-027, operation of Auxiliary Units A and B shall each not exceed a 10% annual heat input capacity factor.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) If one or both of the Auxiliary Boilers operate for 24 consecutive hours, the permittee shall conduct a visible emission survey of the boiler(s) within 24 hours of start up.

(b) Visible emissions may be measured according to the methods specified in §123.43. As an alternative, plant personnel who observe emissions with the potential to exceed the limitations of §123.41 shall report each incident to the Department within four hours of the occurrence and arrange for a certified observer to read the visible emissions.

IV. RECORDKEEPING REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

In accordance with RACT Operating Permit No. 03-000-027, the permittee shall maintain an operating log, including records of hours of operation, fuel consumption, fuel type, and typical fuel analyses to verify compliance with the annual capacity factor limitation of 10%.

005 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain a logbook of all visible emission surveys performed. The logbook shall include any observed incidences of potential visible emissions exceedances, the name of the person performing the inspection, date and time of inspection, and any corrective action or notification for observed incidents.

Records shall be retained for at least five years and made available to the Department upon request.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

**SECTION E. Source Group Restrictions.****VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.**# 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7485]****Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****Am I subject to this subpart?**

The two Auxiliary Boilers (Source IDs 037 and 038) are affected sources for the purposes of National Emission Standards for Hazardous Air Pollutants: Industrial, Commercial, and Institutional Boilers and Process Heaters. They shall be operated as limited use boilers for the purposes of Subpart DDDDD. As the owner and operator of Source IDs 037 and 038, the permittee shall comply with all applicable requirements codified in 40 CFR Part 63 Subpart DDDDD, 40 CFR §§ 63.7480 through 63.7575, including Tables and Appendices.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What emission limits, work practice standards, and operating limits must I meet?**

(a) You must meet the requirements in paragraphs (a)(1) through (3) of this section, except as provided in paragraphs (b), through (e) of this section. You must meet these requirements at all times the affected unit is operating, except as provided in paragraph (f) of this section.

(1) If your unit is a limited use boiler conduct a tune-up of the boiler or process heater every 5 years as specified in § 63.7540.

(2) N/A.

(3) At all times, you must operate and maintain any affected source (as defined in § 63.7490), including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

(b) N/A.

(c) Limited-use boilers and process heaters must complete a tune-up every 5 years as specified in § 63.7540. They are not subject to the emission limits in Tables 1 and 2 or 11 through 13 to this subpart, the annual tune-up, or the energy assessment requirements in Table 3 to this subpart, or the operating limits in Table 4 to this subpart.

(d) - (e) N/A.

(f) These standards apply at all times the affected unit is operating, except during periods of startup and shutdown during which time you must comply only with Table 3 to this subpart.

(Table 3 states: If your unit is a limited use boiler, you must meet the following: Conduct a tune-up of the boiler or process heater every 5 years as specified in § 63.7540.)

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7510]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What are my initial compliance requirements and by what date must I conduct them?**

(a) - (d) N/A.

(e) You must complete an initial tune-up by following the procedures described in § 63.7540(a)(10)(i) through (vi) no later than the compliance date, January 31, 2016.

**SECTION E. Source Group Restrictions.**

(f) - (i) N/A.

(j) For existing affected sources (as defined in §63.7490) that have not operated between the effective date of the rule and the compliance date that is specified for your source in §63.7495, you must complete the initial compliance demonstration, if subject to the emission limits in Table 2 to this subpart, as specified in paragraphs (a) through (d) of this section, no later than 180 days after the re-start of the affected source and according to the applicable provisions in §63.7(a)(2) as cited in Table 10 to this subpart. You must complete an initial tune-up by following the procedures described in §63.7540(a)(10)(i) through (vi) no later than 30 days after the re-start of the affected source and, if applicable, complete the one-time energy assessment specified in Table 3 to this subpart, no later than the compliance date specified in §63.7495.

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****How do I demonstrate continuous compliance with the emission limitations, fuel specifications and work practice standards?**

(a) You must demonstrate continuous compliance with the work practice standards in Table 3 to this subpart and paragraphs (a)(1) through (19) of this section.

(1) N/A.

(2) – (9) N/A.

(10) If your boiler or process heater has a heat input capacity of 10 million Btu per hour or greater, you must conduct an annual tune-up of the boiler or process heater to demonstrate continuous compliance as specified in paragraphs (a)(10)(i) through (vi) of this section. This frequency does not apply to limited-use boilers and process heaters, as defined in §63.7575, or units with continuous oxygen trim systems that maintain an optimum air to fuel ratio.

(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

(ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

(iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;

(iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOX requirement to which the unit is subject;

(v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and

(vi) Maintain on-site and submit, if requested by the Administrator, an annual report containing the information in paragraphs (a)(10)(vi)(A) through (C) of this section,

(A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;

(B) A description of any corrective actions taken as a part of the tune-up; and

(C) The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit.

**SECTION E. Source Group Restrictions.**

(11) N/A.

(12) If your boiler or process heater meets the definition of limited-use boiler or process heater in § 63.7575, you must conduct a tune-up of the boiler or process heater every 5 years as specified in paragraphs (a)(10)(i) through (vi) of this section to demonstrate continuous compliance. You may delay the burner inspection specified in paragraph (a)(10)(i) of this section until the next scheduled or unscheduled unit shutdown, but you must inspect each burner at least once every 72 months.

(13) If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.

(14) - (19) N/A.

(b) – (c) N/A.

(d) For startup and shutdown, you must meet the work practice standards according to item 5 of Table 3 of this subpart.

[Item 5 of Table 3 states: If your unit is 5. An existing or new boiler or process heater subject to emission limits in Table 1 or 2 or 11 through 13 to this subpart during startup

You must operate all CMS during startup.

For startup of a boiler or process heater, you must use one or a combination of the following clean fuels: natural gas, synthetic natural gas, propane, distillate oil, syngas, ultra-low sulfur diesel, fuel oil-soaked rags, kerosene, hydrogen, paper, cardboard, refinery gas, and liquefied petroleum gas.

N/A.

You must comply with all applicable emission limits at all times except for startup or shutdown periods conforming with this work practice. You must collect monitoring data during periods of startup, as specified in §63.7535(b). You must keep records during periods of startup. You must provide reports concerning activities and periods of startup, as specified in §63.7555.]

010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What notifications must I submit and when?**

(a) You must submit to the Administrator all of the notifications in §§ 63.7(b) and (c), 63.8(e), (f)(4) and (6), and 63.9(b) through (h) that apply to you by the dates specified.

(b) - (c) N/A.

(d) If you are required to conduct a performance test you must submit a Notification of Intent to conduct a performance test at least 60 days before the performance test is scheduled to begin.

(e) – (h) N/A.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What reports must I submit and when?**

(a) You must submit each report in Table 9 to this subpart that applies to you.

(b) Unless the EPA Administrator has approved a different schedule for submission of reports under § 63.10(a), you must submit each report, according to paragraph (h) of this section, by the date in Table 9 to this subpart and according to the requirements in paragraphs (b)(1) through (4) of this section. For units that are subject only to a requirement to conduct a 5-year tune-up according to § 63.7540(a)(12), and not subject to emission limits or operating limits, you may submit only a 5-year compliance report as specified in paragraphs (b)(1) through (4) of this section.

**SECTION E. Source Group Restrictions.**

(1) The first compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in §63.7495 and ending on July 31 or January 31, whichever date is the first date that occurs at least 180 days (or 1, 2, or 5 years, as applicable, if submitting an annual, biennial, or 5-year compliance report) after the compliance date that is specified for your source in §63.7495.

(2) The first compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for each boiler or process heater in §63.7495. The first annual, biennial, or 5-year compliance report must be postmarked or submitted no later than January 31.

(3) Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31. Annual, biennial, and 5-year compliance reports must cover the applicable 1-, 2-, or 5-year periods from January 1 to December 31.

(4) Each subsequent compliance report must be postmarked or submitted no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period. Annual, biennial, and 5-year compliance reports must be postmarked or submitted no later than January 31.

(c) A compliance report must contain the following information depending on how the facility chooses to comply with the limits set in this rule.

(1) If the facility is subject to the requirements of a tune up they must submit a compliance report with the information in paragraphs (c)(5)(i) through (iv) and (xiv) of this section.

(2) – (4) N/A.

(5)(i) Company and Facility name and address.

(ii) Process unit information, emissions limitations, and operating parameter limitations.

(iii) Date of report and beginning and ending dates of the reporting period.

(iv) The total operating time during the reporting period.

(v) – (xiii) N/A.

(xiv) Include the date of the most recent tune-up for each unit subject to only the requirement to conduct an annual, biennial, or 5-year tune-up according to § 63.7540(a)(10), (11), or (12) respectively. Include the date of the most recent burner inspection if it was not done annually, biennially, or on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown.

(xv) - (xvi) N/A.

(xvii) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.

(d) - (g) N/A.

(h) You must submit the reports according to the procedures specified in paragraphs (h)(1) through (3) of this section.

(1) - (2) N/A.

(3) You must submit all reports required by Table 9 of this subpart electronically using CEDRI that is accessed through the EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due the report you must submit the report to the Administrator at the appropriate address listed in § 63.13. At the discretion of the Administrator, you must also submit these reports, to the Administrator in the format specified by the Administrator.

**SECTION E. Source Group Restrictions.**

(Table 9 states; You must submit a Compliance report. The report must contain; .a. Information required in § 63.7550(c)(1) through (5); and; b. If there were no deviations from the work practice standards during the reporting period and; c. If you have a deviation from a work practice standard during the reporting period, the report must contain the information in § 63.7550(d); and (d) N/A.; You must submit the report every 5 years according to the requirements in § 63.7550(b).)

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What records must I keep?**

(a) You must keep records according to paragraphs (a)(1) and (2) of this section.

(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirements in § 63.10(b)(2)(xiv).

(2) N/A.

(b) - (h) N/A.

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7560]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****In what form and how long must I keep my records?**

(a) Your records must be in a form suitable and readily available for expeditious review, according to § 63.10(b)(1).

(b) As specified in § 63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) You must keep each record on site, or they must be accessible from on site (for example, through a computer network), for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to § 63.10(b)(1). You can keep the records off site for the remaining 3 years.

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7575]**Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial and Institutional Boilers and Process Heaters.****What definitions apply to this subpart?**

Terms used in this subpart are defined in the Clean Air Act, in § 63.2 (the General Provisions), and in this section as follows:

Annual capacity factor means the ratio between the actual heat input to a boiler or process heater from the fuels burned during a calendar year and the potential heat input to the boiler or process heater had it been operated for 8,760 hours during a year at the maximum steady state design heat input capacity.

Annual heat input means the heat input for the 12 months preceding the compliance demonstration.

Average annual heat input rate means total heat input divided by the hours of operation for the 12 months preceding the compliance demonstration.

Distillate oil means fuel oils that contain 0.05 weight percent nitrogen or less and comply with the specifications for fuel oil numbers 1 and 2, as defined by the American Society of Testing and Materials in ASTM D396 (incorporated by reference, see § 63.14) or diesel fuel oil numbers 1 and 2, as defined by the American Society for Testing and Materials in ASTM D975 (incorporated by reference, see § 63.14), kerosene, and biodiesel as defined by the American Society of Testing and Materials in ASTM D6751-11b (incorporated by reference, see § 60.14).

Heat input means heat derived from combustion of fuel in a boiler or process heater and does not include the heat input from preheated combustion air, recirculated flue gases, returned condensate, or exhaust gases from other sources such as gas turbines, internal combustion engines, kilns, etc.

**SECTION E. Source Group Restrictions.**

Industrial boiler means a boiler used in manufacturing, processing, mining, and refining or any other industry to provide steam, hot water, and/or electricity.

Light liquid includes distillate oil, biodiesel, or vegetable oil.

Limited-use boiler or process heater means any boiler or process heater that burns any amount of solid, liquid, or gaseous fuels and has a federally enforceable average annual capacity factor of no more than 10 percent.

Liquid fuel includes, but is not limited to, light liquid, heavy liquid, any form of liquid fuel derived from petroleum, used oil, liquid biofuels, biodiesel, vegetable oil, and comparable fuels as defined under 40 CFR 261.38.

Load fraction means the actual heat input of a boiler or process heater divided by heat input during the performance test that established the minimum sorbent injection rate or minimum activated carbon injection rate, expressed as a fraction (e.g., for 50 percent load the load fraction is 0.5).

Unit designed to burn light liquid subcategory means a unit in the unit designed to burn liquid subcategory that is not part of the unit designed to burn heavy liquid subcategory.

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: G05

Group Description: Peaking Diesel Engines Units 3, 4, 5, and 6

Sources included in this group

ID	Name
101	UNIT 3 PEAKING DIESEL GENERATOR (3,600-BHP)
102	UNIT 4 PEAKING DIESEL GENERATOR (3,600-BHP)
103	UNIT 5 PEAKING DIESEL GENERATOR (3,600-BHP)
104	UNIT 6 PEAKING DIESEL GENERATOR (3,600-BHP)

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

In accordance with 25 Pa. Code §123.13(c)(1)(i), the permittee may not permit the emission into the outdoor atmosphere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

The permittee shall not allow emissions of sulfur oxides from each engine in such a manner that the concentration of sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million by volume, dry basis.

Operation Hours Restriction(s).**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

In accordance with RACT Operating Permit No. 03-000-027, operation of Diesel Generators 3-6 shall each not exceed a 5% annual heat input capacity factor. These units shall be operated and maintained in accordance with manufacturers' specifications, and good air pollution control and engineering practices. (25 Pa. Code §127.441)

(Compliance with this condition is assured by meeting Condition 004)

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

IV. RECORDKEEPING REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain an operating log, including records of hours of operation, fuel consumption, fuel type, and typical fuel analyses that verify compliance with the annual operational limitations.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

**SECTION E. Source Group Restrictions.****VI. WORK PRACTICE REQUIREMENTS.****# 005 [25 Pa. Code §129.97]****Presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule.**

The permittee shall install, maintain, and operate Peaking Diesel Engines 3-6 in accordance with the manufacturer's specifications and with good operating practices.

VII. ADDITIONAL REQUIREMENTS.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall verify compliance with the particulate mass emission rate of 25 PA Code §123.13, opacity standards of §123.41, and SO₂ limitations of §123.21 through the operation and maintenance of these sources in accordance with manufacturer specifications.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What parts of my plant does this subpart cover?**

(a) Affected source. An affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand.

(1) Existing stationary RICE.

(i) For stationary RICE with a site rating of more than 500 brake horsepower (HP) located at a major source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before December 19, 2002.

(ii) – (iv) N/A.

(2) – (3) N/A.

(b) Stationary RICE subject to limited requirements. (1) An affected source which meets either of the criteria in paragraphs (b)(1)(i) through (ii) of this section does not have to meet the requirements of this subpart and of subpart A of this part except for the initial notification requirements of § 63.6645(f).

(1) – (2) N/A.

(3) The following stationary RICE do not have to meet the requirements of this subpart and of subpart A of this part, including initial notification requirements:

(i) – (iii) N/A.

(iv) Existing limited use stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions;

(v) N/A.

(c) N/A.

[Peaking Diesel Engines 3, 4, 5, and 6 (Source IDs 101, 102, 103, and 104) are subject to the applicable requirements of 40 CFR Part 60, Subpart ZZZZ.]

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6675]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What definitions apply to this subpart?**

Terms used in this subpart (40 CFR Part 63, Subpart ZZZZ) are defined in the Clean Air Act (CAA); in 40 CFR 63.2, the General Provisions of this part; (40 CFR Part 63) and in this section as follows:

**SECTION E. Source Group Restrictions.**

Limited use stationary RICE means any stationary RICE that operates less than 100 hours per year.

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: G06

Group Description: RACT II

Sources included in this group

ID	Name
031	BOILER 1 WITH LOW NOX BURNER
032	BOILER 2 WITH LOW NOX BURNER
037	AUX BOILER A
038	AUX BOILER B

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §129.98]****Facility-wide or system-wide NOx emissions averaging plan general requirements.**

Boiler 1, Boiler 2, Auxiliary Boiler A, and Auxiliary Boiler B (Source IDs 031, 032, 037, and 038) shall meet the applicable NOx RACT emission limitations from 25 Pa. Code § 129.97 by averaging NOx emissions on a facility-wide averaging basis using a 30-day rolling average in accordance with 25 Pa. Code § 129.98 and the site-specific averaging plan, as outlined below:

(a) The facility averaging shall be a summation of the actual hourly mass emissions from Boiler 1, Boiler 2, Auxiliary Boiler A, and Auxiliary Boiler B (Source IDs 031, 032, 037, and 038) for a 30-operating-day period and shall compare the summation to the calculated allowable mass emissions for the same period. Actual NOx mass emissions shall include emissions during start-ups, shutdowns, and malfunctions. If any unit operates, even if only one unit operates in a given calendar day, then that day shall be one of the days in the 30-operating-day period for the facility.

Hourly NOx mass emissions (lbs per hour) shall be calculated by multiplying the hourly NOx emissions rate (lb/MMBtu) by the hourly unit heat input (MMBtu/hr) and the unit operating time.

(b) Actual NOx Mass – CEMs data for source IDs 031 and 032 and the most recent stack test data for source IDs 037 and 038 shall be used to calculate the hourly NOx mass emissions.

(c) Allowable NOx Mass – The allowable RACT NOx emission limitations will be used to calculate the allowable hourly NOx mass emissions. The allowable RACT NOx emission limitations from 25 Pa. Code § 129.97 are as follows:

i. 0.35 lb/MMBtu heat input for a tangentially-fired coal-fired combustion unit. [This limit is applicable when the flue gas temperature at the SCR inlet is less than 600°F.]

ii. 0.12 lb/MMBtu heat input for a coal-fired combustion unit with a selective catalytic reduction system operating with an inlet temperature equal to or greater than 600°F. Compliance with this emission limit is also required when by-passing the selective catalytic reduction system.

iii. 0.12 lb/MMBtu heat input for a distillate oil-fired combustion unit.

iv. For a unit firing multiple fuels, a total heat input fuel weighted basis using the following equation:

$$E_{HI \text{ weighted}} = \left[\sum (i,n) = E_i H_{li} \right] \div \left[\sum (i,n) = H_{li} \right]$$

Where:

$E_{HI \text{ weighted}}$ = The heat input fuel weighted multiple fuel emission rate or emission limitation for the compliance period, expressed in units of measure consistent with the units of measure for the emission limitation.

E_i = The emission rate or emission limit for fuel i during the compliance period, expressed in units of measure consistent with the units of measure for the emission limitation.

**SECTION E. Source Group Restrictions.**

H_{li} = The total heat input for fuel i during the compliance period.

n = the number of different fuels used during the compliance period.

(d) 30 Operating Day Values –

Actual NO_x emissions (lbs) shall be calculated for each hour for each unit. Then, all of the hours for the facility in the 30-operating day period shall be totaled.

Allowable NO_x emissions (lbs) shall be calculated for each hour for each unit. Then, all of the hours for the facility in the 30-operating day period shall be totaled.

Compliance shall be determined using the following equation from 25 Pa. Code § 129.98(e):

$$[\text{Sum } (i,n) = E_i \text{ actual}] < \text{ or } = [\text{Sum } (i,n) = E_i \text{ allowable}]$$

Where:

E_i actual = The actual NO_x mass emissions, including emissions during start-ups, shutdowns, and malfunctions, for air contamination source i on a 30-day rolling basis.

E_i allowable = The allowable NO_x mass emissions computed using the allowable emission rate limitation for air contamination source i on a 30-day rolling basis specified in 25 Pa. Code § 129.97.

n = the number of air contamination sources included in the NO_x emissions facility averaging plan.

The facility will be in compliance with the presumptive NO_x RACT requirements when the actual NO_x mass emissions (lbs) from source IDs 031, 032, 037, and 038 in a facility 30-operating day period are less than or equal to the allowable NO_x mass emissions (lbs) during the same 30-operating day period, both values rounded to the nearest pound.

(e) Invalid Emissions Data Periods –

When NO_x CEMS data are not valid for any hour, the permittee shall utilize 40 CFR Part 75 data substitution procedures for invalid data for hourly NO_x (lb/MMBtu) and, as necessary, heat input (MMBtu/hr).

II. TESTING REQUIREMENTS.**# 002 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

A minimum of one (1) stack test in accordance with in 25 Pa. Code, Chapter 139, Subchapter A (relating to sampling and testing methods and procedures) and the Department Source Testing Manual shall be performed on Auxiliary Boiler A and Auxiliary Boiler B (Source IDs 037 and 038) during each five (5) calendar year period to verify the emission rates for NO_x.

III. MONITORING REQUIREMENTS.**# 003 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

(a) Except as provided in subsection (c), the owner and operator of an air contamination source subject to a NO_x requirement or RACT emission limitation or VOC requirement or RACT emission limitation, or both, listed in § 129.97 (relating to presumptive RACT requirements, RACT emission limitations and petition for alternative compliance schedule) shall demonstrate compliance with the applicable RACT requirement or RACT emission limitation by performing the following monitoring or testing procedures:

(1) For an air contamination source with a CEMS, monitoring and testing in accordance with the requirements of Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources) using a 30-day rolling average.

**SECTION E. Source Group Restrictions.**

(i) A 30-day rolling average emission rate for an air contamination source that is a combustion unit shall be expressed in pounds per million Btu and calculated in accordance with the following procedure:

(A) Sum the total pounds of pollutant emitted from the combustion unit for the current operating day and the previous 29 operating days.

(B) Sum the total heat input to the combustion unit in million Btu for the current operating day and the previous 29 operating days.

(C) Divide the total number of pounds of pollutant emitted by the combustion unit for the 30 operating days by the total heat input to the combustion unit for the 30 operating days.

(ii) A 30-day rolling average emission rate for each applicable RACT emission limitation shall be calculated for an affected air contamination source for each consecutive operating day.

(iii) Each 30-day rolling average emission rate for an affected air contamination source must include the emissions that occur during the entire operating day, including emissions from start-ups, shutdowns and malfunctions.

(2) N/A

(3) N/A

(4) For an air contamination source without a CEMS, monitoring and testing in accordance with a Department-approved emissions source test that meets the requirements of Chapter 139, Subchapter A (relating to sampling and testing methods and procedures). The source test shall be conducted one time in each 5-year calendar period.

004 [25 Pa. Code §129.100]**Compliance demonstration and recordkeeping requirements.**

(a) The permittee shall continuously monitor the SCR inlet temperatures for each boiler (Boiler 1 /Source ID 031 and Boiler 2/Source ID 032), in order to determine the applicable RACT II NOx emission limitation corresponding to the current SCR inlet temperature.

(b) The permittee shall monitor and record the times at which the SCR inlet temperature for Boiler 1 and Boiler 2 (Source IDs 031 and 032) transitions across the 600°F threshold.

IV. RECORDKEEPING REQUIREMENTS.**# 005 [25 Pa. Code §129.100]****Compliance demonstration and recordkeeping requirements.**

The permittee shall keep records to demonstrate compliance with 25 Pa. Code §§ 129.97 – 129.98 in the following manner:

(1) The records must include sufficient data, including SCR inlet temperature and times at which the SCR inlet temperature transitions across the 600°F threshold, and calculations to demonstrate that the requirements of §§ 129.97 – 129.98 are met.

(2) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

006 [25 Pa. Code §129.100]**Compliance demonstration and recordkeeping requirements.**

All records shall be retained by the permittee for five (5) years and made available to the Department upon request.

**SECTION E. Source Group Restrictions.****V. REPORTING REQUIREMENTS.****# 007 [25 Pa. Code §129.98]****Facility-wide or system-wide NOx emissions averaging plan general requirements.**

In accordance with 25 Pa. Code § 129.98(j), the permittee shall submit reports and keep records to demonstrate compliance with the requirements of 25 Pa. Code § 129.100 for each source included in the NOx emissions averaging plan. Reports demonstrating compliance with the NOx emissions averaging plan shall be electronically submitted as part of the quarterly CEMs report and include the following:

For each calendar day in the reporting period, include the following information:

- (i) Actual daily NOx emissions (lb), for each emission unit in the plan, accounting for multiple fuels as required/accepted
- (ii) Allowable daily NOx emissions (lb), for each emission unit in the plan, accounting for multiple fuels as required/accepted
- (iii) Sum of daily actual NOx emitted (lb) for all emission units in the plan
- (iv) Sum of allowable NOx emitted (lb) for all emission units in the plan
- (v) The rolling 30-operating day sums of the actual daily NOx emissions and the allowable daily NOx emissions. An operating day is one in which at least one emission unit included in the plan operates.

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****

**SECTION F. Alternative Operation Requirements.**

Alternative Operation Name: OPTIONAL SORBENT INJECTION SYSTEM 1

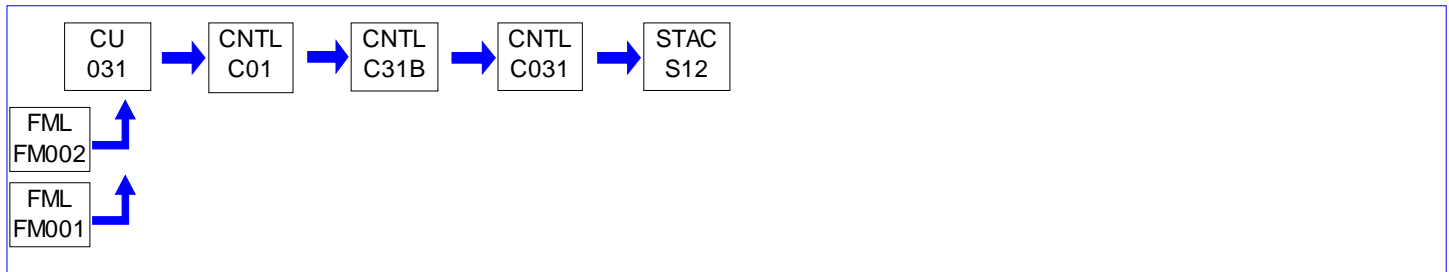
#001 CHANGES FROM NORMAL OPERATION

Use of optional Sorbent Injection System.

Sources included in this Alternative Operation:

ID	Name	Source Type
031	BOILER 1 WITH LOW NOX BURNER	Combustion Unit

Alternative Operation Map:

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

**SECTION F. Alternative Operation Requirements.**

Alternative Operation Name: OPTIONAL SORBENT INJECTION SYSTEM 2

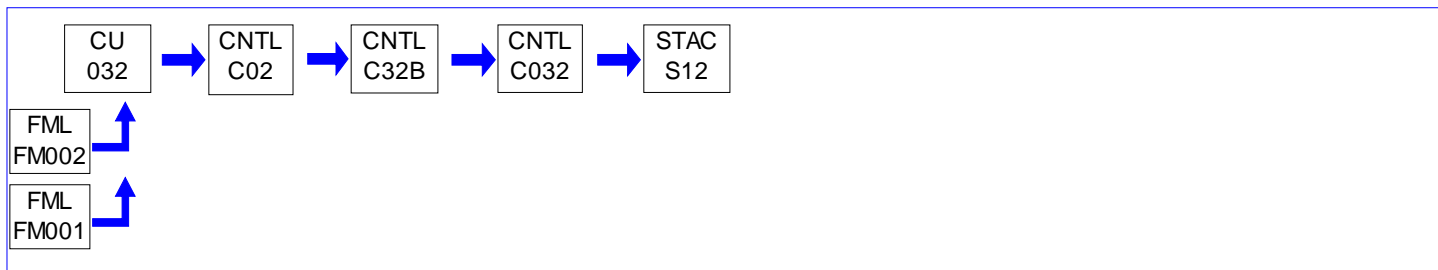
#001 CHANGES FROM NORMAL OPERATION

Use of optional Sorbent Injection System.

Sources included in this Alternative Operation:

ID	Name	Source Type
032	BOILER 2 WITH LOW NOX BURNER	Combustion Unit

Alternative Operation Map:

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements) and/or Section E (Source Group Restrictions).

***** Permit Shield in Effect. *****

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
031	BOILER 1 WITH LOW NOX BURNER		
Emission Limit		Pollutant	
5.000	PPMV		Ammonia
0.450	Lbs/MMBTU	Thirty-Day Rolling Average	NOX
0.100	Lbs/MMBTU	(Filterable & Condensable)	PM10
1.200	Lbs/MMBTU	Thirty-Day Rolling Average	SO2
0.100	Lbs/MMBTU	(Filterable only)	TSP
032	BOILER 2 WITH LOW NOX BURNER		
Emission Limit		Pollutant	
5.000	PPMV		Ammonia
0.450	Lbs/MMBTU	Thirty-Day Rolling Average	NOX
0.100	Lbs/MMBTU	(Filterable & Condensable)	PM10
1.200	Lbs/MMBTU	Thirty-Day Rolling Average	SO2
0.100	Lbs/MMBTU	(Filterable only)	TSP
037	AUX BOILER A		
Emission Limit		Pollutant	
4.000	Lbs/MMBTU	over any 1-hr period	SO2
0.228	Lbs/MMBTU		TSP
038	AUX BOILER B		
Emission Limit		Pollutant	
4.000	Lbs/MMBTU	over any 1-hr period	SO2
0.228	Lbs/MMBTU		TSP
101	UNIT 3 PEAKING DIESEL GENERATOR (3,600-BHP)		
Emission Limit		Pollutant	
500.000	PPMV		SO2
0.040	gr/DRY FT3		TSP
102	UNIT 4 PEAKING DIESEL GENERATOR (3,600-BHP)		
Emission Limit		Pollutant	
500.000	PPMV		SO2
0.040	gr/DRY FT3		TSP
103	UNIT 5 PEAKING DIESEL GENERATOR (3,600-BHP)		
Emission Limit		Pollutant	
500.000	PPMV		SO2
0.040	gr/DRY FT3		TSP
104	UNIT 6 PEAKING DIESEL GENERATOR (3,600-BHP)		
Emission Limit		Pollutant	
500.000	PPMV		SO2
0.040	gr/DRY FT3		TSP



SECTION G. Emission Restriction Summary.

Source Id	Source Description
110	MISC DIESEL ENGINES (TOTAL 1,327-BHP)

Emission Limit	Pollutant
500.000 PPMV	SOX
0.040 gr/DRY FT3	TSP

Site Emission Restriction Summary

Emission Limit	Pollutant
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Alternative Operation Emission Restriction Summary

Source Id	Source Description
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**SECTION H. Miscellaneous.**

1. The capacities/throughputs listed in Section A, D, and E, excluding those in permit restrictions, are for informational purposes only and are not enforceable limits.

2. The following description of the emission processes at Keystone is for information purposes only:

This Operating Permit authorizes the Operation of an Electric Generating Plant known as the Keystone Station, located in Plumcreek Township, Armstrong County. The main sources at this facility are two (2) pulverized coal-fired (PC) boilers (Source IDs 031 and 032), with nominal fuel heat inputs of 8,717 MMBtu/hour. Each boiler powers an electrical generator with a nameplate capacity of 936-MW, for a combined capacity of 1,872-MW. Emissions from the PC boilers are controlled by wet limestone scrubbers (Control IDs C031 and C032) to control sulfur dioxide (SO₂) emissions, low NO_x burners and selective catalytic reduction systems (SCR) (Control IDs C31A and C32A) to control NO_x emissions, and electrostatic precipitators (ESP) (Control IDs C01 and C02) to control PM emissions. Collection of SO₂, heavy metals, and acid gases, including hydrochloric acid and hydrofluoric acid, takes place in the wet scrubbers. The boilers are able to comply with NO_x emission limits with the SCR systems out of service. The SCR systems are operated at the option of the company and reduce the number of NO_x emission credits from a NO_x trading program, used by the station. Normally, SCR is operated only during the five month (May-September) "ozone" season. Operation of the SCR systems is included in the permit as an Alternative Operation Scenario. Each boiler train is also equipped with an optional Sorbent Injection System (Control IDs C31B and C32B) for control of SO₃. Sorbent injection can be concurrent with, or independent of SCR operation. Both boilers discharge to a dual-flue stack (Stack ID S12). No. 2 fuel oil is combusted during startup.

Supporting equipment at this site includes two 138 MMBtu/hour auxiliary boilers, four 3,600-BHP peaking diesel electrical generators, three emergency diesel generators (2400 bhp, 1500 bhp, and 2300 bhp), limestone processing, emergency quench pumps, coal storage piles, plant roads, and gypsum production.

3. Source #110 Emergency Diesel Units is comprised of the following equipment: one Emergency Diesel Generator and two Diesel Fire Pumps.

4. Source #115 Fired Space and Misc. Heaters is comprised of the following equipment: Propane-fired Space Heaters and No. 2 Oil-fired Heaters.

5. The following have been identified as insignificant sources/activities at this facility:

- General storage tanks
- General storage tanks (HAPs)
- Fly ash silos
- Lime silos
- Cylinder gasses for CEMs
- Water treatment systems
- Support systems equipment
- Battery room
- Transformers
- Lube oil reservoir vapor extractors
- Miscellaneous boiler house vents
- Miscellaneous vented equipment
- Contractor equipment
- Diethylene Glycol Usage
- FGD Hydrated Lime Silo (WWT)
- FGD WPT Clarifier
- FGD WWT Cooling Tower
- FGD WWT and WPT Totes

6. The following person has been identified as an additional Responsible Official for the GenOn Northeast Management Company - Keystone Station:

**SECTION H. Miscellaneous.**

Mark Gouveia – Senior Vice President
Telephone (301)843-4410

7. The Acid Rain Permit application is attached to this TVOP as Attachment 1, as instructed by EPA, Region 3.
8. Effective June 20, 2019, the following person has been identified as an additional Responsible Official for the Keystone Station:

David C Benson, COO/Manager
Keystone-Conemaugh Projects, LLC
175 Cornell Road, Suite 1
Blairsville, PA 15717
9. This permit was administratively amended on October 7, 2019 to incorporate the change of ownership and correct typographical errors in the permit.



***** End of Report *****
